

RESULT 1						
US-09-859-724-1						
; Sequence 1, Application US/09859724						
; Patent No. 6699813						
; GENERAL INFORMATION:						
; APPLICANT: Pietras, Kristian						
; APPLICANT: Ostman, Arne						
; APPLICANT: Heldin, Carl-Henrik						
; APPLICANT: Rubin, Kristoffer						
; TITLE OF INVENTION: METHOD FOR TREATMENT OF TUMORS USING NUCLEIC ACID						
; TITLE OF INVENTION: LIGANDS TO PDGF						
; FILE REFERENCE: NEX90						
; CURRENT APPLICATION NUMBER: US/09/859,724						
; CURRENT FILING DATE: 2001-09-21						
; PRIOR APPLICATION NUMBER: 60/205,006						
; PRIOR FILING DATE: 2000-05-17						
; PRIOR APPLICATION NUMBER: 08/479,725						
; PRIOR FILING DATE: 1995-06-07						
; PRIOR APPLICATION NUMBER: 08/479,783						
; PRIOR FILING DATE: 1995-06-07						
; PRIOR APPLICATION NUMBER: 08/618,693						
; PRIOR FILING DATE: 1996-03-20						
; PRIOR APPLICATION NUMBER: 08/991,743						
; NUMBER OF SEQ ID NOS: 2						
; SOFTWARE: Patentin Ver. 2.0						
; SEQ ID NO: 1						
; LENGTH: 30						
; TYPE: DNA						
; ORGANISM: Artificial Sequence						
; FEATURE:						
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic						
; Nucleic Acid Ligand						
; NAME/KEY: modified_base						
; LOCATION: (6)-(30)						
; OTHER INFORMATION: U at positions 6, 20 and 30 is						
; NAME/KEY: modified_base						
; LOCATION: (9)-(31)						
; OTHER INFORMATION: G at positions 9, 15, 17, and 31 is						
; NAME/KEY: modified_base						
; LOCATION: (8)-(29)						
; OTHER INFORMATION: C at positions 8, 21, 28, and 29 is						
; NAME/KEY: modified_base						
; LOCATION: (22)-(26)						
; OTHER INFORMATION: 2'-fluoro-2'-deoxycytidine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-fluoro-2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: G at positions 8, 21, 28, and 29 is						
; NAME/KEY: modified_base						
; LOCATION: (22)-(26)						
; OTHER INFORMATION: 2'-deoxyguanosine						
; NAME/KEY: modified_base						
; LOCATION: (22)-(26)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
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; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
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; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
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; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
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; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
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; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
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; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
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; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base						
; LOCATION: (1)-(10)						
; OTHER INFORMATION: 2'-deoxyuridine						
; NAME/KEY: modified_base</td						

OTHER INFORMATION: A at position 22 is 2' -O-Methyl-2' -deoxyadenosine
 LOCATION: (1) (30)
 OTHER INFORMATION: The residues at positions 9 and 10 are connected by a hexaethylene phosphoramidite linker. The residues at positions 21 and 22 are connected by a hexaethylene glycol phosphoramidite linker.
 NAME/KEY: modified_base
 LOCATION: (32)
 OTHER INFORMATION: Nucleotide 32 is an inverted orientation T
 OTHER INFORMATION: (3'-3'-linked)
 US-09-859-724-1

Query Match Score 30; DB 3; Length 30;
 Best Local Similarity 100.0%; Pred. No. 0.00017; Indels 0; Gaps 0;
 Matches 30; Conservative 0; Mismatches 0;
 Qy 1 CAGGUACGGTAGAGCAUCATGATCCUGT 30
 Db 1 CAGGUACGGTAGAGCAUCATGATCCUGT 30

RESULT 2
 US-09-246-461-3
 Sequence 3, Application US/09246461
 Patent No. 639145
 GENERAL INFORMATION:
 APPLICANT: Janjic, Larry
 APPLICANT: Gold, Larry
 TITLE OF INVENTION: Aptamers as Reagents for high throughput Screening
 FILE REFERENCE: NEX78
 CURRENT APPLICATION NUMBER: US/09/246,461
 CURRENT FILING DATE: 1999-02-09
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 3
 LENGTH: 31
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Nucleic acid
 OTHER INFORMATION: ligand
 FEATURE:
 NAME/KEY: modified_base
 LOCATION: (1) (31)
 OTHER INFORMATION: The t at position 1 is 2' -NH2. The u's and c's at positions 7, 9, 20, 21, 27, 28 and 29 are 2' -F;
 OTHER INFORMATION: The a's and g's at positions 10, 15, 17, 22 and 30 are 2' -O-methyl.
 FEATURE:
 NAME/KEY: modified_base
 LOCATION: (1) (31)
 OTHER INFORMATION: The t at position 1 is 2' -NH2. The u's and c's at positions 7, 9, 20, 21, 27, 28 and 29 are 2' -F;
 OTHER INFORMATION: The a's and g's at positions 10, 15, 17, 22 and 30 are 2' -O-methyl.
 FEATURE:
 NAME/KEY: modified_base
 LOCATION: (1) (31)
 OTHER INFORMATION: The g at position 10 and the a at position 22 have been modified with polyethylene glycol of 18 units.

US-09-09-246-461-3
 Sequence 3, Application US/09246461
 Patent No. 639145
 GENERAL INFORMATION:
 APPLICANT: Homburger et al.
 TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*
 FILE REFERENCE: File Reference: 7326-094
 CURRENT APPLICATION NUMBER: US/09/270,767
 CURRENT FILING DATE: 1999-03-17
 NUMBER OF SEQ ID NOS: 62517
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 11347
 LENGTH: 606
 TYPE: DNA
 ORGANISM: *Drosophila melanogaster*
 US-09-270-767-11347

Query Match Score 30; DB 3; Length 31;
 Best Local Similarity 100.0%; Pred. No. 0.00017; Indels 0; Gaps 0;
 Matches 30; Conservative 0; Mismatches 0;

Qy 1 CAGGUACGGTAGAGCAUCATGATCCUGT 30
 Db 2 CAGGUACGGTAGAGCAUCATGATCCUGT 31

RESULT 3
 US-10-021-330-3
 Sequence 3, Application US/10021330
 Patent No. 6670132
 GENERAL INFORMATION:
 APPLICANT: Janjic, Larry
 APPLICANT: Gold, Larry
 TITLE OF INVENTION: Aptamers as Reagents for high throughput Screening

RESULT 4
 US-09-270-767-11347
 Sequence 11347, Application US/09270767
 Patent No. 6703491
 GENERAL INFORMATION:
 APPLICANT: Homburger et al.
 TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*
 FILE REFERENCE: File Reference: 7326-094
 CURRENT APPLICATION NUMBER: US/09/270,767
 CURRENT FILING DATE: 1999-03-17
 NUMBER OF SEQ ID NOS: 62517
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 11347
 LENGTH: 606
 TYPE: DNA
 ORGANISM: *Drosophila melanogaster*
 US-09-270-767-11347

Query Match Score 30; DB 3; Length 606;
 Best Local Similarity 84.6%; Pred. No. 20; Indels 0; Gaps 0;
 Matches 22; Conservative 0; Mismatches 4;

Qy 1 CAGGUACGGTAGAGCAUCATGATCCUGT 26
 Db 279 CAGGUACGGTAGAGCAUCATGATCCUGT 304

RESULT 5
 US-09-270-767-14489
 Sequence 14489, Application US/09270767
 Patent No. 6703491
 GENERAL INFORMATION:
 APPLICANT: Homburger et al.
 TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*
 FILE REFERENCE: File Reference: 7326-094

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; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 14489
; LENGTH: 615
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
; FEATURE: n
; OTHER INFORMATION: n means any nucleotide
US-09-270-767-14489

RESULT 6
Query Match 65.3%; Score 19.6; DB 3; Length 615;
Best Local Similarity 84.6%; Pred. No. 21;
Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
Qy 1 CAGGCUACGGTAGGCAUCATGATC 26
Db 117 CAGGCAACGGTGGAGCACATGATC 142

RESULT 6
US-09-270-767-10626
; Sequence 10626, Application US/09270767
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT FILING NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 10626
; LENGTH: 705
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-10626

RESULT 7
Query Match 65.3%; Score 19.6; DB 3; Length 705;
Best Local Similarity 84.6%; Pred. No. 21;
Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
Qy 1 CAGGCUACGGTAGGCAUCATGATC 26
Db 543 CAGGCAACGGTGGAGCACATGATC 568

RESULT 7
US-09-949-016-16423
; Sequence 16423, Application US/09949016
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL003107
; CURRENT FILING NUMBER: US/09/949,016
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 16423
; LENGTH: 167708
; OTHER INFORMATION: n means any nucleotide
US-09-949-016-16423

RESULT 8
US-09-489-039A-2715
; Sequence 2715, Application US/09489039A
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al.
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709-20040101
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO: 2715
; LENGTH: 603
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-2715

RESULT 9
US-09-447-497-4
; Sequence 4, Application US/09447497
; Patent No. 673911
; GENERAL INFORMATION:
; APPLICANT: Penninger, Josef M.
; APPLICANT: Kroemer, Guido P.
; APPLICANT: Zamzami, Naoufel
; APPLICANT: Siderovs, David P.
; APPLICANT: Subin, Santos A.
; APPLICANT: Snow, Bryan E.L.
; TITLE OF INVENTION: APOPTOSIS-INDUCING FACTOR
; FILE REFERENCE: 01017/56280
; CURRENT APPLICATION NUMBER: US/09/447,497
; CURRENT FILING DATE: 1999-11-23
; EARLIER APPLICATION NUMBER: 60/109,595
; EARLIER FILING DATE: 1998-11-23
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 4
; LENGTH: 1920
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1875)
; FEATURE:
; OTHER INFORMATION: mouse apoptosis-inducing factor (mApF isoform);
; OTHER INFORMATION: mApF-alt-exon-Gold
US-09-447-497-4

Query Match 62.7%; Score 18.8; DB 3; Length 1920;
Best Local Similarity 81.8%; Pred. No. 61;
Matches 2; Mismatches 2; Indels 0; Gaps 0;
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16423

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Qy 8 CGCGTAGAGCAUCATGATCUG 29
 Db 1387 CGAGTAGACATCATGATCUG 1408

RESULT 10
 US-09-447-497-1
 ; Sequence 1, Application US/09447497
 ; Patent No. 6773911

GENERAL INFORMATION:
 ; APPLICANT: Penninger, Josef M.
 ; APPLICANT: Kroemer, Guido P.
 ; APPLICANT: Siddovsai, David P.
 ; APPLICANT: Zamzami, Naoufal
 ; APPLICANT: Susin, Santos A.
 ; APPLICANT: Show, Bryan E.L.
 TITLE OF INVENTION: APOPTOSIS-INDUCING FACTOR
 FILE REFERENCE: 01017/36780
 CURRENT APPLICATION NUMBER: US/09/447,497
 EARLIER APPLICATION NUMBER: 1999-11-23
 EARLIER FILING DATE: 1998-11-23
 NUMBER OF SEQ ID NOS: 25
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 1
 LENGTH: 1932
 TYPE: DNA
 ORGANISM: Mus musculus
 FEATURE: CDS
 LOCATION: (1)..(1887)

OTHER INFORMATION: mouse apoptosis-inducing factor (mAIF);
 OTHER INFORMATION: mAIF-Gold.B1B

US-09-447-497-1

Query Match Score 18.8; DB 3; Length 1932;
 Best Local Similarity 81.8%; Pred. No. 61;
 Matches 18; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 8 CGCGTAGAGCAUCATGATCUG 29
 Db 1399 CGAGTAGACATCATGATCUG 1420

RESULT 11
 US-09-533-559-2284
 ; Sequence 2284, Application US/09533559
 ; Patent No. 6902887

GENERAL INFORMATION:
 ; APPLICANT: Randy M. Berka
 ; APPLICANT: Michael W. Rey
 ; APPLICANT: Jeffrey R. Shuster
 ; APPLICANT: Sakari Kauppinen
 ; APPLICANT: Ib Groth Clausen
 ; APPLICANT: Peter Bjørke Olsen
 TITLE OF INVENTION: Methods For Monitoring Multiple Gene
 TITLE OF INVENTION: Expression
 FILE REFERENCE: 5849-200-US
 CURRENT APPLICATION NUMBER: US/09/533,559
 CURRENT FILING DATE: 2000-03-22
 EARLIER APPLICATION NUMBER: 09/273,623
 EARLIER FILING DATE: 1999-03-22
 NUMBER OF SEQ ID NOS: 7860
 SOFTWARE: Fab-SEQ For Windows Version 4.0
 SEQ ID NO 2284
 LENGTH: 485
 FEATURE: misc_feature
 NAME/KEY: (1)..(485)
 OTHER INFORMATION: n = A,T,C or G

ORGANISM: Fusarium venenatum

US-09-533-559-2284
 Query Match Score 18.4; DB 3; Length 485;
 Best Local Similarity 71.4%; Pred. No. 70;
 Matches 20; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 2 AGGCUCAGCGTAGAGCAUCATGATCUG 29
 Db 181 AGGCACGTTGGGATCATGATCUG 208

RESULT 12
 US-09-753-247-7/c
 ; Sequence 7, Application US/08753247
 ; Patent No. 6210929

GENERAL INFORMATION:
 ; APPLICANT: SCHLÖKAT, Uwe
 ; APPLICANT: FISCHER, Bernhard
 ; APPLICANT: FALKNER, Falko-Guenther
 ; APPLICANT: DÖRNER, Friedrich
 ; APPLICANT: EIBL, Johann
 TITLE OF INVENTION: A FUSION PROTEIN COMPRISING A FURTIN
 ; TITLE OF INVENTION: A FUSION PROTEIN DERIVATIVE OF A FURTIN ANALOGUE AND A
 ; TITLE OF INVENTION: DERIVATIVE OR DERIVATIVE OF A FURTIN ANALOGUE
 ; NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Foley & Lardner
 ; STREET: 3000 K Street, N.W., Suite 500
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ZIP: 20007-5109
 COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compat-PC
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.1.30
 CURRENT APPLICATION NUMBER: US/08/753-247
 APPLICATION NUMBER: US/08/753-247
 FILING DATE: 22-NOV-1996
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: AT 1928/95
 FILING DATE: 24-NOV-1995
 ATTORNEY/AGENT INFORMATION:
 ; NAME: BENT, Stephen A.
 ; REGISTRATION NUMBER: 29,768
 ; REFERENCE/DOCKET NUMBER: 40433/149
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (420) 67-5300
 ; TELEFAX: (420) 672-5399
 ; TELEFAX: 904116
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 50 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)

US-09-753-247-7

Query Match Score 18; DB 3; Length 50;
 Best Local Similarity 69.2%; Pred. No. 68;
 Matches 18; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 3 GCGUACCGTAGAGCAUCATGATCUG 28
 Db 42 GGCTGGCGGCGGGATCATCATCAT 17

RESULT 13
 US-09-270-767-8822
 ; Sequence 8822, Application US/09270767

Patent No. 6703491
 GENERAL INFORMATION:
 APPLICANT: Homburger et al.
 TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*
 FILE REFERENCE: File Reference: 7326-094
 CURRENT APPLICATION NUMBER: US/09/270,767
 CURRENT FILING DATE: 1999-03-17
 NUMBER OF SEQ ID NOS: 62517
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 8822
 LENGTH: 477
 TYPE: DNA
 ORGANISM: *Drosophila melanogaster*
 US-09-270-767-8822

Query Match 60.0%; Score 18; DB 3; Length 477;
 Best Local Similarity 73.1%; Pred. No. 1.1e+02;
 Matches 19; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
 Qy 2 AGGCCUAGCGTAGAGCAUCATGATCC 27
 Db 339 AGCTATGCGTAGATGATGTTAAC 364

RESULT 14
 US-09-270-767-24104 Application US/09270767
 Sequence 24104, Application US/09270767
 Parent No. 6703491
 GENERAL INFORMATION:
 APPLICANT: Homburger et al.
 TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*
 FILE REFERENCE: File Reference: 7326-094
 CURRENT APPLICATION NUMBER: US/09/270,767
 CURRENT FILING DATE: 1999-03-17
 NUMBER OF SEQ ID NOS: 62517
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 24104
 LENGTH: 477
 TYPE: DNA
 ORGANISM: *Drosophila melanogaster*
 US-09-270-767-24104

Query Match 60.0%; Score 18; DB 3; Length 477;
 Best Local Similarity 73.1%; Pred. No. 1.1e+02;
 Matches 19; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
 Qy 2 AGGCCUAGCGTAGAGCAUCATGATCC 27
 Db 339 AGCTATGCGTAGATGATGTTAAC 364

RESULT 15
 US-09-753-247-8
 Sequence 8, Application US/08753247
 GENERAL INFORMATION:
 APPLICANT: SCHLOKAT, Uwe
 APPLICANT: FALKNER, Bernhard
 APPLICANT: EIBL, Johann
 APPLICANT: DORNER, Falko-Guenther
 APPLICANT: EIBL, Friedrich
 TITLE OF INVENTION: A FUSION PROTEIN COMPRISING A FURIN ANALOGUE AND A
 TITLE OF INVENTION: DERIVATIVE OR A DERIVATIVE OF A FURIN ANALOGUE AND A
 NUMBER OF SEQUENCES: 29
 HETEROLOGOUS SEQUENCE
 CORRESPONDENCE ADDRESS:
 ADDRESS: Foley & Lardner
 STREET: 3000 K Street, N.W., Suite 500
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20007-5109
 COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/753,247
 FILING DATE: 22-NOV-1996
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: AT 1928/95
 FILING DATE: 24-NOV-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: BENT, Stephen A.
 REGISTRATION NUMBER: 29,768
 REFERENCE/DOCKET NUMBER: 40433/1449
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 672-5300
 TELEFAX: (202) 672-5399
 TELEX: 904136
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2142 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..2139
 FEATURE:
 NAME/KEY: mat_Peptide
 LOCATION: 1..2139
 US-08-753-247-8
 Query Match 60.0%; Score 18; DB 3; Length 2142;
 Best Local Similarity 69.2%; Pred. No. 1.5e+02;
 Matches 18; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
 Qy 3 GGCUCUCCGCTAGAGCAUCATGATCCU 28
 Db 2108 GGCTCGCCAGGGCATCATCAT 2133

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Effect score: 30

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Searched: 9793542 seqs, 4134689005 residues

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ALIGNMENTS

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2: /cgn2/6/ptodata/1/pubpna/us08_pubcomb.seq:*

3: /cgn2/6/ptodata/1/pubpna/us09_pubcomb.seq:*

4: /cgn2/6/ptodata/1/pubpna/us09a_pubcomb.seq:*

5: /cgn2/6/ptodata/1/pubpna/us10a_pubcomb.seq:*

6: /cgn2/6/ptodata/1/pubpna/us10b_pubcomb.seq:*

7: /cgn2/6/ptodata/1/pubpna/us10c_pubcomb.seq:*

8: /cgn2/6/ptodata/1/pubpna/us10d_pubcomb.seq:*

9: /cgn2/6/ptodata/1/pubpna/us10e_pubcomb.seq:*

10: /cgn2/6/ptodata/1/pubpna/us11_pubcomb.seq:*

Maximum Match 100%
Listing first 45 summaries

No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARY

Query ID	Result			Description		
	No.	Score	Match Length	DB	ID	Sequence
1	30	100.0	30	3	US-09-859-724-1	Sequence 1, Appli
2	30	100.0	30	8	US-10-791-167-1	Sequence 1, Appli
3	30	100.0	30	9	US-10-926-806-21	Sequence 21, Appli
4	30	100.0	31	5	US-10-021-330-3	Sequence 3, Appli
5	30	100.0	31	8	US-10-746-655-3	Sequence 3, Appli
6	29	96.7	29	8	US-10-829-504A-8	Sequence 8, Appli
7	29	96.7	29	9	US-10-873-533-8	Sequence 8, Appli
8	29	96.7	29	9	US-10-980-211-8	Sequence 8, Appli
9	66.0	2862	7	US-10-282-122A-11310	Sequence 41310, A	
10	19.6	65.3	2349	10	US-11-097-143-16217	Sequence 16217, A
11	19.6	65.3	4992	10	US-11-097-143-16216	Sequence 16216, A
12	19.4	64.7	4038	8	US-10-425-115-17334	Sequence 17334, A
13	19.4	64.7	13335	8	US-10-425-115-139288	Sequence 139288, A
14	19.2	64.0	4466	7	US-10-767-701-29066	Sequence 29066, A
15	19	63.3	663	8	US-10-762-107-27	Sequence 27, Appli
16	19	63.3	734	7	US-10-425-114-3193	Sequence 34193, A
17	19	63.3	734	8	US-10-425-115-15955	Sequence 145955, A
18	19	63.3	1359	7	US-10-437-563-24608	Sequence 24608, A
19	19	63.3	36602	8	US-10-762-107-1	Sequence 1, Appli
20	19	63.3	2256646	7	US-10-470-565-1	Sequence 1, Appli
21	18.8	62.7	396	7	US-10-424-599-92411	Sequence 92411, A
22	18.8	62.7	1617	8	US-10-481-113-4	Sequence 4, Appli

```

RESULT 1
US-09-859-724-1
; Sequence 1, Application US/09859724
; Patent No. US20020034506A1
; GENERAL INFORMATION:
; APPLICANT: Pietras, Kristian
; APPLICANT: Olsman, Arne
; APPLICANT: Heldin, Carl-Henrik
; APPLICANT: Rubin, Kristoffer
; TITLE OF INVENTION: METHOD FOR TREATMENT OF TUMORS USING NUCLEIC ACID
; TITLE OF INVENTION: LIGANDS TO PGF
; FILE REFERENCE: NE930
; CURRENT APPLICATION NUMBER: US/09/859,724
; CURRENT FILING DATE: 2001-09-21
; CURRENT NUMBER: 60/205,006
; PRIOR APPLICATION NUMBER: 08/479,725
; PRIOR FILING DATE: 2000-05-17
; PRIOR APPLICATION NUMBER: 08/479,725
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: 08/479,783
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: 08/618,993
; PRIOR FILING DATE: 1996-03-20
; PRIOR APPLICATION NUMBER: 08/991,743
; PRIOR FILING DATE: 1997-12-16
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Nucleic Acid Ligand
; NAME/KEY: modified base
; LOCATION: (6)..(30)
; OTHER INFORMATION: U at positions 6, 20 and 30 is
; OTHER INFORMATION: 2',-fluoro-2',-deoxyuridine
; NAME/KEY: modified base
; LOCATION: (29)..(29)
; OTHER INFORMATION: C at positions 8, 21, 28, and 29 is
; OTHER INFORMATION: 2',-fluoro-2',-deoxycytidine
; NAME/KEY: modified base
; LOCATION: (9)..(31)
; OTHER INFORMATION: G at positions 9, 15, 17, and 31 is
; OTHER INFORMATION: 2'-O-Methyl-2'-deoxyguanosine
; OTHER INFORMATION: 2'-O-Methyl-2'-deoxyguanosine

```

LOCATION: (22)
 OTHER INFORMATION: A at position 22 is 2'-O-Methyl-1-2'-deoxyadenosine
 NAME/KEY: modified_base
 LOCATION: (1)...(30)
 OTHER INFORMATION: The residues at positions 9 and 10 are connected by a hexaethylene phosphoramidite linker. The residues at positions 21 and 22 are connected by a hexaethylene glycol phosphoramidite linker.
 OTHER INFORMATION: connected by a hexaethylene glycol phosphoramidite linker.
 NAME/KEY: modified_base
 LOCATION: (32)
 OTHER INFORMATION: Nucleotide 32 is an inverted orientation T
 OTHER INFORMATION: (3'-3'-linked)

US-09-859-724-1

Query Match 100.0%; Score 30; DB 30; Length 30;
 Best Local Similarity 100.0%; Pred. No. 0.00046; Indels 0; Gaps 0;
 Matches 30; Conservative 0; Mismatches 0;
 Qy 1 CAGGCUACGGTAGAGCAUCATGATCCUGT 30
 Db 1 CAGGCUACGGTAGAGCAUCATGATCCUGT 30

RESULT 2
 US-10-791-367-1
 Sequence 1, Application US/10791367
 Publication No. US0040224335A1
 GENERAL INFORMATION:
 APPLICANT: Pietras, Kristian
 APPLICANT: Ostman, Arne
 APPLICANT: Heldin, Carl-Henrik
 APPLICANT: Rubin, Kristofer
 APPLICANT: Rubin, Kristofer
 TITLE OF INVENTION: METHOD FOR TREATMENT OF TUMORS USING NUCLEAR ACID
 FILE REFERENCE: NEX90
 CURRENT FILING DATE: 2004-03-02
 PRIOR APPLICATION NUMBER: US/09/859,724
 PRIOR FILING DATE: 2001-09-21
 PRIOR APPLICATION NUMBER: 60/205,006
 PRIOR FILING DATE: 2000-05-17
 PRIOR APPLICATION NUMBER: 08/479,725
 PRIOR FILING DATE: 1995-06-07
 PRIOR APPLICATION NUMBER: 08/479,783
 PRIOR FILING DATE: 1995-06-07
 PRIOR APPLICATION NUMBER: 08/618,693
 PRIOR FILING DATE: 1996-03-20
 PRIOR APPLICATION NUMBER: 08/991,743
 PRIOR FILING DATE: 1997-12-16
 NUMBER OF SEQ ID NOS: 2
 SEQ ID NO 1
 LENGTH: 30
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 OTHER INFORMATION: Nucleic Acid Ligand
 FEATURE:
 NAME/KEY: modified_base
 LOCATION: (6)...(30)
 OTHER INFORMATION: U at positions 6, 20 and 30 is
 OTHER INFORMATION: 2'-fluoro-2'-deoxyuridine
 FEATURE:
 NAME/KEY: modified_base
 LOCATION: (8)...(25)
 OTHER INFORMATION: C at positions 8, 21, 28, and 29 is
 OTHER INFORMATION: 2'-fluoro-2'-deoxycytidine
 FEATURE:
 NAME/KEY: modified_base
 LOCATION: (9)...(31)
 OTHER INFORMATION: G at positions 9, 15, 17, and 31 is
 OTHER INFORMATION: 2'-O-Methyl-1-2'-deoxyguanosine
 FEATURE:

NAME/KEY: modified_base
 LOCATION: (22)
 OTHER INFORMATION: A at position 22 is 2'-O-Methyl-1-2'-deoxyadenosine
 FEATURE:
 NAME/KEY: modified_base
 LOCATION: (1)...(30)
 OTHER INFORMATION: The residues at positions 9 and 10 are connected by a hexaethylene phosphoramidite linker. The residues at positions 21 and 22 are connected by a hexaethylene glycol phosphoramidite linker.
 OTHER INFORMATION: connected by a hexaethylene glycol phosphoramidite linker.
 NAME/KEY: modified_base
 LOCATION: (32)
 OTHER INFORMATION: Nucleotide 32 is an inverted orientation T
 OTHER INFORMATION: (3'-3'-linked)

US-10-791-367-1

Query Match 100.0%; Score 30; DB 8; Length 30;
 Best Local Similarity 100.0%; Pred. No. 0.00046; Indels 0; Gaps 0;
 Matches 30; Conservative 0; Mismatches 0;
 Qy 1 CAGGCUACGGTAGAGCAUCATGATCCUGT 30
 Db 1 CAGGCUACGGTAGAGCAUCATGATCCUGT 30

RESULT 3
 US-10-926-806-21
 Sequence 21, Application US/10926806
 Publication No. US20050096257A1
 GENERAL INFORMATION:
 APPLICANT: Shima, David
 APPLICANT: Calias, Perry
 APPLICANT: Adams, Anthony P.
 TITLE OF INVENTION: COMBINATION THERAPY FOR THE TREATMENT OF OCULAR NEOVASCULAR DISORDERS
 FILE REFERENCE: 112059.184 EYE-013
 CURRENT APPLICATION NUMBER: US/10/926,806
 CURRENT FILING DATE: 2004-08-26
 PRIOR APPLICATION NUMBER: 60/556,837
 PRIOR FILING DATE: 2004-03-26
 PRIOR APPLICATION NUMBER: 60/498,407
 PRIOR FILING DATE: 2003-08-27
 NUMBER OF SEQ ID NOS: 22
 SOFTWARE: PatentIn Ver. 3.2
 SEQ ID NO 21
 LENGTH: 30
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 OTHER INFORMATION: anti-PGF aptamer

US-10-926-806-21

Query Match 100.0%; Score 30; DB 9; Length 30;
 Best Local Similarity 90.0%; Pred. No. 0.00046; Indels 0; Gaps 0;
 Matches 27; Conservative 3; Mismatches 0;

Qy 1 CAGGCUACGGTAGAGCAUCATGATCCUGT 30
 Db 1 CAGGCTACGGTAGAGCAUCATGATCCUGT 30

RESULT 4
 US-10-021-330-3
 Sequence 3, Application US/10021330
 Publication No. US2002019767A1
 GENERAL INFORMATION:
 APPLICANT: Janic, Nabojsa
 APPLICANT: Gold, Larry
 TITLE OF INVENTION: Aptamers as Reagents for high throughput Screening
 FILE REFERENCE: NEX78
 CURRENT APPLICATION NUMBER: US/10/021,330
 CURRENT FILING DATE: 2001-12-10

PRIOR APPLICATION NUMBER: US/09/246,461
 PRIOR FILING DATE: 1999-02-09
 NUMBER OF SEQ ID NOS: 4
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 3
 LENGTH: 31
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Nucleic acid
 LOCATION: (1) .(31)
 NAME/KEY: modified base
 OTHER INFORMATION: The t at position 1 is 2'-NH2. The u's and c's at positions 7, 9, 20, 21, 27, 28 and 29 are 2'-F.
 OTHER INFORMATION: The a's and g's at positions 10, 15, 17, 22 and 30 are 2'-O-methyl.
 OTHER INFORMATION: are 2'-O-methyl.
 FEATURE:
 NAME/KEY: modified base
 LOCATION: (1) .(31)
 OTHER INFORMATION: The g at position 10 and the a at position 22 have been modified with polyethylene glycol of 18 units.
 OTHER INFORMATION: been modified with polyethylene glycol of 18 units.
 OTHER INFORMATION: units.

US-10-021-330-3

Query Match 100.0%; Score 30; DB 5; Length 31;
 Best Local Similarity 100.0%; Pred. No. 0.00046;
 Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CAGGUACGGTAGACAUATGATGCCUGT 30
 Db 2 CAGGUACGGTAGACAUATGATGCCUGT 31

RESULT 5
 US-10-746-565-3
 / Sequence 3, Application US/10746565
 / Publication No. US2005048521A1
 / GENERAL INFORMATION:
 / APPLICANT: Janjic, Nabejoisa
 / APPLICANT: Gold, Larry
 / TITLE OF INVENTION: Aptamers as Reagents for high Throughput Screening
 / FILE REFERENCE: NEX73
 / CURRENT APPLICATION NUMBER: US/10/746,565
 / CURRENT FILING DATE: 2003-12-24
 / PRIOR APPLICATION NUMBER: US/10/021,330
 / PRIOR FILING DATE: 2001-12-10
 / PRIOR APPLICATION NUMBER: US/09/246,461
 / PRIOR FILING DATE: 1999-02-09
 / NUMBER OF SEQ ID NOS: 4
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO: 3
 / LENGTH: 31
 / TYPE: DNA
 / ORGANISM: Artificial Sequence
 / FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: Nucleic acid
 LOCATION: (1) .(31)
 NAME/KEY: modified base
 OTHER INFORMATION: The t at position 1 is 2'-NH2. The u's and c's at positions 7, 9, 20, 21, 27, 28 and 29 are 2'-F.
 OTHER INFORMATION: The a's and g's at positions 10, 15, 17, 22 and 30 are 2'-O-methyl.

FEATURE:
 NAME/KEY: modified base
 LOCATION: (1) .(31)
 OTHER INFORMATION: The g at position 10 and the a at position 22 have been modified with polyethylene glycol of 18 units.
 OTHER INFORMATION: been modified with polyethylene glycol of 18 units.
 OTHER INFORMATION: units.

US-10-746-565-3

RESULT 6
 US-10-829-504A-8
 / Sequence 8, Application US/10829504A
 / Publication No. US200402535679A1
 / GENERAL INFORMATION:
 / APPLICANT: Epstein, David
 / APPLICANT: Grare, Dilara
 / APPLICANT: Stanton, Martin
 / APPLICANT: Diener, John L.
 / APPLICANT: Wilson, Charles
 / APPLICANT: McCauley, Thomas B
 / APPLICANT: Desouza, Errol
 / APPLICANT: Stabilized Aptamers to Platelet Derived Growth Factor and Their Use as Oncology Therapeutics
 / TITLE OF INVENTION: Stabilized Aptamers to Platelet Derived Growth Factor and Their Use as Oncology Therapeutics
 / CURRENT APPLICATION NUMBER: US/10/829,504A
 / CURRENT FILING DATE: 2004-04-21
 / PRIOR APPLICATION NUMBER: 10/722915
 / PRIOR FILING DATE: 2004-01-21
 / PRIOR APPLICATION NUMBER: 60/441357
 / PRIOR FILING DATE: 2003-01-21
 / PRIOR APPLICATION NUMBER: 60/463095
 / PRIOR FILING DATE: 2003-04-15
 / PRIOR APPLICATION NUMBER: 60/464179
 / PRIOR FILING DATE: 2003-04-21
 / PRIOR APPLICATION NUMBER: 60/465055
 / PRIOR FILING DATE: 2003-04-23
 / PRIOR APPLICATION NUMBER: 60/469628
 / PRIOR FILING DATE: 2003-05-08
 / PRIOR APPLICATION NUMBER: 60/474680
 / PRIOR FILING DATE: 2003-05-29
 / PRIOR APPLICATION NUMBER: 60/491019
 / PRIOR FILING DATE: 2003-07-29
 / PRIOR APPLICATION NUMBER: 60/512071
 / PRIOR FILING DATE: 2003-10-17
 / PRIOR APPLICATION NUMBER: 60/537201
 / PRIOR FILING DATE: 2004-01-16
 / Remaining Prior Application data removed - See File Wrapper or PAlM.
 / NUMBER OF SEQ ID NOS: 98
 / SOFTWARE: PatentIn version 3.2
 / SEQ ID NO: 8
 / LENGTH: 29
 / TYPE: DNA
 / ORGANISM: Artificial
 / FEATURE:
 / OTHER INFORMATION: aptamer

US-10-829-504A-8

Query Match 96.7%; Score 29; DB 8; Length 29;
 Best Local Similarity 89.7%; Pred. No. 0.0014;
 Matches 26; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CAGGUACGGTAGACAUATGATGCCUGT 29
 Db 1 CAGGUACGGTAGACAUATGATGCCUGT 29

RESULT 7
 US-10-873-853-8
 / Sequence 8, Application US/10873853
 / Publication No. US20050124565A1
 / GENERAL INFORMATION:
 / APPLICANT: Epstein, David

/ APPLICANT: Grate, Dilara
 / APPLICANT: Stanton, Martin
 / APPLICANT: Diener, John
 / APPLICANT: Wilson, Charles
 / APPLICANT: McCauley, Thomas
 / APPLICANT: DeSouza, Errol
 / TITLE OF INVENTION: Stabilized Aptamers to Platelet Derived Growth Factor and Their
 / FILE REFERENCE: 23239-558A C1P2
 / CURRENT APPLICATION NUMBER: US/10/980,211
 / CURRENT FILING DATE: 2004-01-02
 / PRIOR APPLICATION NUMBER: US/10/873,853
 / PRIOR FILING DATE: 2004-06-21
 / PRIOR APPLICATION NUMBER: 60/441357
 / PRIOR FILING DATE: 2003-11-21
 / PRIOR APPLICATION NUMBER: 60/464179
 / PRIOR FILING DATE: 2003-04-21
 / PRIOR APPLICATION NUMBER: 60/465055
 / PRIOR FILING DATE: 2003-01-21
 / PRIOR APPLICATION NUMBER: 60/463095
 / PRIOR FILING DATE: 2003-04-15
 / PRIOR APPLICATION NUMBER: 60/428102
 / PRIOR FILING DATE: 2003-11-21
 / PRIOR APPLICATION NUMBER: 60/464179
 / PRIOR FILING DATE: 2003-04-21
 / PRIOR APPLICATION NUMBER: 60/465055
 / PRIOR FILING DATE: 2003-04-21
 / PRIOR APPLICATION NUMBER: 60/512071
 / PRIOR FILING DATE: 2003-10-17
 / PRIOR APPLICATION NUMBER: 60/537201
 / PRIOR FILING DATE: 2004-01-16
 / REMAINING PRIOR APPLICATION DATA REMOVED - SEE FILE WRAPPER OR PALM.
 / NUMBER OF SEQ ID NOS: 98
 / SOFTWARE: PatentIn version 3.2
 / SEQ ID NO: 8
 / LENGTH: 29
 / OTHER INFORMATION: aptamer
 / TYPE: DNA
 / ORGANISM: Artificial
 / FEATURE:
 / OTHER INFORMATION: aptamer
 / US-10-873-853-8

Query Match 96.7%; Score 29; DB 9; Length 29;
 Best Local Similarity 89.7%; Pred. No. 0.0014;
 Matches 26; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CAGGCCAGCGTAGAGCAATGATGCCUG 29
 ||||:||||:||||:||||:||||:||||:||||:||:||:
 Db 1 CAGGCTACCGCTAGAGCATCATGATCCTG 29

RESULT 8
 US-10-980-211-8
 / Sequence 8, Application US/10/980211
 / Publication No. US20050159351A1
 / GENERAL INFORMATION:
 / APPLICANT: Grate, Dilara
 / APPLICANT: Diener, John
 / APPLICANT: Wilson, Charles
 / APPLICANT: McCauley, Thomas
 / TITLE OF INVENTION: Stabilized Aptamers to Platelet Derived Growth Factor and Their
 / FILE REFERENCE: 23239-558A C1P2
 / CURRENT APPLICATION NUMBER: US/10/980,211
 / CURRENT FILING DATE: 2004-01-02
 / PRIOR APPLICATION NUMBER: 10/873853
 / PRIOR FILING DATE: 2004-06-21
 / PRIOR APPLICATION NUMBER: 10/829504
 / PRIOR FILING DATE: 2004-04-21
 / PRIOR APPLICATION NUMBER: 10/762915
 / PRIOR FILING DATE: 2004-01-21
 / PRIOR APPLICATION NUMBER: 60/441357
 / PRIOR FILING DATE: 2003-01-21
 / PRIOR APPLICATION NUMBER: 60/463095
 / PRIOR FILING DATE: 2003-04-21
 / PRIOR APPLICATION NUMBER: 60/464179
 / PRIOR FILING DATE: 2003-11-21
 / PRIOR APPLICATION NUMBER: 60/465055
 / PRIOR FILING DATE: 2003-04-21
 / PRIOR APPLICATION NUMBER: 60/512071
 / PRIOR FILING DATE: 2003-10-17
 / REMAINING PRIOR APPLICATION DATA REMOVED - SEE FILE WRAPPER OR PALM.
 / NUMBER OF SEQ ID NOS: 98
 / SOFTWARE: PatentIn version 3.2
 / SEQ ID NO: 8
 / LENGTH: 29
 / OTHER INFORMATION: aptamer
 / TYPE: DNA
 / ORGANISM: Artificial
 / FEATURE:
 / OTHER INFORMATION: aptamer
 / US-10-873-853-8

Query Match 96.7%; Score 29; DB 9; Length 29;
 Best Local Similarity 89.7%; Pred. No. 0.0014;
 Matches 26; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CAGGCCAGCGTAGAGCAATGATGCCUG 29
 ||||:||||:||||:||||:||||:||||:||:||:
 Db 1 CAGGCTACCGCTAGAGCATCATGATCCTG 29

RESULT 9
 US-10-282-122A-41310
 / Sequence 41310, Application US/10/28212A
 / Publication No. US20040029129A1
 / GENERAL INFORMATION:
 / APPLICANT: Wang, Liangbu
 / APPLICANT: Zamudio, Carlos
 / APPLICANT: Malone, Cheryl
 / APPLICANT: Haselbeck, Robert
 / APPLICANT: Ohlsen, Kari
 / APPLICANT: Zyskind, Judith
 / APPLICANT: Wall, Daniel
 / APPLICANT: Trawick, John
 / APPLICANT: Carr, Grant
 / APPLICANT: Yamamoto, Robert
 / APPLICANT: Forsth, R.
 / APPLICANT: Xu, H.
 / TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
 / FILE REFERENCE: ELITRA.03RA
 / CURRENT APPLICATION NUMBER: US/10/282,122A
 / CURRENT FILING DATE: 2003-02-20
 / PRIOR APPLICATION NUMBER: 60/191,078
 / PRIOR FILING DATE: 2000-03-21
 / PRIOR APPLICATION NUMBER: 60/206,848
 / PRIOR FILING DATE: 2000-05-23
 / PRIOR APPLICATION NUMBER: 60/207,727
 / PRIOR FILING DATE: 2000-05-16
 / PRIOR APPLICATION NUMBER: 60/230,335
 / PRIOR FILING DATE: 2000-09-06
 / PRIOR APPLICATION NUMBER: 60/220,347
 / PRIOR FILING DATE: 2000-09-09
 / PRIOR APPLICATION NUMBER: 60/242,578
 / PRIOR FILING DATE: 2000-10-13
 / PRIOR APPLICATION NUMBER: 60/253,625
 / PRIOR FILING DATE: 2000-11-27
 / PRIOR APPLICATION NUMBER: 60/257,931
 / PRIOR FILING DATE: 2000-12-22
 / PRIOR APPLICATION NUMBER: 60/267,636
 / PRIOR FILING DATE: 2001-02-09
 / PRIOR APPLICATION NUMBER: 60/269,308
 / PRIOR FILING DATE: 2001-02-16

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 78614 ; TITLE OF INVENTION: DROSOPHILA GENES.
 SOFTWARE: PatentIn version 3.1 ; FILE REFERENCE: CL000728
 SEQ ID NO: 41310 ; CURRENT APPLICATION NUMBER: US/11/097,143
 LENGTH: 2862 ; CURRENT FILING DATE: 2005-04-04
 TYPE: DNA ; PRIOR APPLICATION NUMBER: 60/157,832
 ORGANISM: Vibrio cholerae ; PRIOR FILING DATE: 1999-10-05
 US-10-282-122A-41310 ; PRIOR APPLICATION NUMBER: 60/160,191
 PRIOR FILING DATE: 1999-10-19
 PRIOR APPLICATION NUMBER: 60/161,932
 PRIOR FILING DATE: 1999-10-28
 PRIOR APPLICATION NUMBER: 60/164,769
 PRIOR FILING DATE: 1999-11-12
 PRIOR APPLICATION NUMBER: 60/173,383
 PRIOR FILING DATE: 1999-12-28
 PRIOR APPLICATION NUMBER: 60/175,693
 PRIOR FILING DATE: 2000-01-12
 PRIOR APPLICATION NUMBER: 60/184,831
 PRIOR FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: 60/191,637
 PRIOR FILING DATE: 2000-03-23
 NUMBER OF SEQ ID NOS: 43008 ; SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 16216 ; LENGTH: 4932
 TYPE: DNA ; ORGANISM: DROSOPHILA
 US-11-097-143-16216

RESULT 10
 Query Match 66.0%; Score 19.8; DB 7; Length 2882;
 Best Local Similarity 87.0%; Pred. No. 54;
 Matches 20; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
 PRIOR APPLICATION NUMBER: 60/157,832
 PRIOR FILING DATE: 1999-10-05
 SEQ ID NO: 98 ACGGCTAGAGCAUCATGATCCUG 29
 Db 98 ACGCGTAGACAGCTATGATCCGG 120

RESULT 10
 Query Match 65.3%; Score 19.6; DB 10; Length 4992;
 Best Local Similarity 84.6%; Pred. No. 73;
 Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
 PRIOR APPLICATION NUMBER: 60/157,832
 PRIOR FILING DATE: 1999-10-05
 SEQ ID NO: 16216 ; LENGTH: 4932
 TYPE: DNA ; ORGANISM: DROSOPHILA
 US-11-097-143-16216

Query Match 65.3%; Score 19.6; DB 10; Length 4992;
 Best Local Similarity 84.6%; Pred. No. 73;
 Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
 PRIOR APPLICATION NUMBER: 60/157,832
 PRIOR FILING DATE: 1999-10-05
 SEQ ID NO: 1561 CAGGCCAGGCTGGACCACTGATC 1536
 Db 1561 CAGGCCAGGCTGGACCACTGATC 1536

RESULT 12
 US-10-425-115-17734/c
 Sequence 17734, Application US/10425115
 Publication No. US20040214272A1
 GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Kovalic, David K.
 APPLICANT: Zhou, Yinhua
 APPLICANT: Cao, Yongwei
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
 Prior Filing Date: 2000-03-23
 NUMBER OF SEQ ID NOS: 43008 ; FILE REFERENCE: 38-21(5322)B
 CURRENT APPLICATION NUMBER: US/10/425,115
 CURRENT FILING DATE: 2003-04-28
 NUMBER OF SEQ ID NOS: 369326 ; LENGTH: 403
 SEQ ID NO: 17734 ; LENGTH: 403
 TYPE: DNA ; ORGANISM: zea mays
 FEATURE:
 OTHER INFORMATION: Clone ID: MRT4577_116177C.1
 US-10-425-115-17734

Query Match 65.3%; Score 19.6; DB 10; Length 2349;
 Best Local Similarity 84.6%; Pred. No. 66;
 Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
 PRIOR APPLICATION NUMBER: 60/191,637
 PRIOR FILING DATE: 2000-03-23
 NUMBER OF SEQ ID NOS: 43008 ; SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 16217 ; LENGTH: 2349
 TYPE: DNA ; ORGANISM: DROSOPHILA
 US-11-097-143-16217

Query Match 65.3%; Score 19.6; DB 8; Length 403;
 Best Local Similarity 69.0%; Pred. No. 66;
 Matches 20; Conservative 3; Mismatches 6; Indels 0; Gaps 0;
 PRIOR APPLICATION NUMBER: 60/173,383
 PRIOR FILING DATE: 1999-12-28
 PRIOR APPLICATION NUMBER: 60/175,693
 PRIOR FILING DATE: 2000-01-12
 PRIOR APPLICATION NUMBER: 60/184,831
 PRIOR FILING DATE: 2000-02-04
 PRIOR APPLICATION NUMBER: 60/191,637
 PRIOR FILING DATE: 2000-03-23
 NUMBER OF SEQ ID NOS: 43008 ; SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 1851 CAGGCCAGGCTGGACCACTGATC 1876
 Db 1851 CAGGCCAGGCTGGACCACTGATC 1876

RESULT 11
 US-11-097-143-16216/c
 Sequence 16216, Application US/1097143
 Publication No. US20050208558A1
 GENERAL INFORMATION:
 APPLICANT: Venter, J. Craig
 TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
 TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE

RESULT 13
 US-10-425-115-139288
 Sequence 139288, Application US/10425115
 Publication No. US20040214272A1

```

; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 139288
; LENGTH: 1335
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE: OTHER INFORMATION: Clone ID: MRT4577_5851C.1
; US-10-425-115-139288

Query Match 64.7%; Score 19.4; DB 8; Length 1335;
Best Local Similarity 72.4%; Pred. No. 76;
Matches 21; Conservative 2; Mismatches 6; Indels 0; Gaps 0;
Qy 1 CAGGCUACGCGTAGAGCAUCATGATCCUG 29
          ||| ||||| ||| : ||||| :|||:|
Db 117 CAGACAACGGCTGAGGATATGATGCTG 145
          ||| ||||| ||| : ||||| :|||:|
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Search completed: January 8, 2006, 17:18:07
Job time : 563 SECs

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RESULT 14
US-10-767-701-29066
; Sequence 29066, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 29066
; LENGTH: 466
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE: OTHER INFORMATION: Clone ID: 8548521
; US-10-767-701-29066

Query Match 64.0%; Score 19.2; DB 7; Length 466;
Best Local Similarity 83.3%; Pred. No. 83;
Matches 20; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
Qy 2 AGGCUACGCGTAGAGCAUCATGAT 25
          ||| ||||| ||| : ||||| :|||:|
Db 301 AGGCTAACCTAGAGCACTGAT 324
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RESULT 15
US-10-762-107-27/c
; Sequence 27, Application US/10762107
; Publication No. US200500432971
; GENERAL INFORMATION:
; APPLICANT: ECOPIA BIOSCIENCES INC.
; APPLICANT: Farnet, Chris
; APPLICANT: McAlpine, James
; APPLICANT: Zazopoulos, Emmanuel
; APPLICANT: Bachmann, Brian
; APPLICANT: Mahmood
; TITLE OF INVENTION: FARNESYL DIBENZODIAZEPINONE, PROCESSES FOR ITS PRODUCTION AND ITS
; TITLE OF INVENTION: A PHARMACEUTICAL
; FILE REFERENCE: 3005-5US
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OM nucleic - nucleic search, using SW mode!									
Run on: January 8, 2006, 15:55:54 ; Search time 243 Seconds (without alignments) 89.992 Million cell updates/sec									
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Perfect score: 30									
Sequence: 1 caggcuacgcgttagaccaucatgttcgtt 30									
Scoring table: IDENTITY_NUC									
Gapop 10.0 , Gapext 1.0									
Searched: 4637609 seqs, 364468668 residues									
Total number of hits satisfying chosen parameters: 9275218									
Minimum DB seq length: 0									
Maximum DB seq length: 20000000000									
Post-processing: Minimum Match 0% Maximum Match 100%									
Listing first 45 summaries									
Database :									
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.									
SUMMARIES									
Result No.	Score	Query	Match	Length	DB ID	Description	Score	DB 7:	Length 151169;
c 1	18.4	61.3	151169	7	08-11-121-086-38	Sequence 38, App1	61.3%;	Score 18.4;	Length 151169;
c 2	17.8	59.3	1110	6	US-10-750-185-28891	Sequence 25891, A	67.9%;	Pred. No. 73;	
c 3	17.8	59.3	1110	6	US-10-750-623-28891	Sequence 25891, A	67.9%;	Mismatches	0;
c 4	17.8	59.3	146656	7	US-11-121-086-68	Sequence 68, App1	67.9%;		
c 5	17.4	58.0	762	6	US-10-750-185-53338	Sequence 53338, A	67.9%;		
c 6	17.4	58.0	762	6	US-10-750-623-53338	Sequence 53338, A	67.9%;		
c 7	17.4	58.0	1002	7	US-11-127-077-20	Sequence 20, App1	67.9%;		
c 8	17.4	58.0	1733	6	US-10-750-185-26283	Sequence 26283, A	67.9%;		
c 9	17.4	58.0	1733	6	US-10-750-623-26283	Sequence 26283, A	67.9%;		
c 10	17.2	57.3	1400	7	US-11-136-527-4382	Sequence 4382, App	67.9%;		
c 11	17.2	57.3	1696	7	US-11-136-527-224	Sequence 224, App	67.9%;		
c 12	17.2	57.3	4347	7	US-11-136-527-286	Sequence 286, App	67.9%;		
c 13	17	56.7	201	6	US-10-995-561-11799	Sequence 11799, A	67.9%;		
c 14	17	56.7	201	6	US-10-995-561-11837	Sequence 11837, A	67.9%;		
c 15	17	56.7	201	6	US-10-995-561-61360	Sequence 61360, A	67.9%;		
c 16	17	56.7	4947	6	US-10-995-457	Sequence 457, App	67.9%;		
c 17	17	56.7	5130	7	US-11-135-855-12	Sequence 12, App1	67.9%;		
c 18	17	56.7	5158	7	US-11-135-855-13	Sequence 13, App1	67.9%;		
c 19	17	56.7	6719	6	US-10-995-561-456	Sequence 456, App	67.9%;		
c 20	17	56.7	32157	6	US-10-995-561-13352	Sequence 13352, A	67.9%;		
c 21	16.8	56.0	189	7	US-11-108-172-103	Sequence 103, App	67.9%;		
c 22	16.8	56.0	261	7	US-10-467-557-2999	Sequence 749, App	67.9%;		
c 23	16.8	56.0	387	6	US-10-467-557-2999	Sequence 2593, App	67.9%;		

PRIOR APPLICATION NUMBER: US 60/437,482
 PRIOR FILING DATE: 2003-12-31
 NUMBER OF SEQ ID NOS: 64922
 SOFTWARE: PatentIN version 3.1
 SEQ ID NO: 25891
 LENGTH: 1110
 TYPE: DNA
 ORGANISM: Bovine 19866881126825
 US-10-750-185-25891

Query Match 59.3%; Score 17.8; DB 6; Length 1110;
 Best Local Similarity 65.5%; Pred. No. 65;
 Matches 19; Conservative 3; Mismatches 7; Indels 0; Gaps 0;
 Qy 2 AGCCUACGGTAGAGCAUCATGATCCUGT 30
 Db 595 AGGTACACATTCAGCATCTGATCCCTGT 623

RESULT 4
 US-10-750-623-25891
 / Sequence 25891, Application US/10750623
 / Publication No. US20050287531A1
 / GENERAL INFORMATION:
 / APPLICANT: MMI GENOMICS, INC.
 / APPLICANT: DENISE, Sue K.
 / APPLICANT: KERR, Richard
 / APPLICANT: ROSENFIELD, David
 / APPLICANT: HOLM, Tom
 / APPLICANT: BATES, Stephen
 / APPLICANT: FANTIN, Dennis
 / TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
 / FILE REFERENCE: MM1100-2
 / CURRENT APPLICATION NUMBER: US10/750,185
 / CURRENT FILING DATE: 2003-12-31
 / PRIOR APPLICATION NUMBER: US 60/437,482
 / PRIOR FILING DATE: 2002-12-31
 / NUMBER OF SEQ ID NOS: 64922
 / SOFTWARE: PatentIN version 3.1
 / SEQ ID NO: 5338
 / LENGTH: 762
 / TYPE: DNA
 / ORGANISM: Bovine 19866881728240
 US-10-750-185-53338

Query Match 58.0%; Score 17.4; DB 6; Length 762;
 Best Local Similarity 66.7%; Pred. No. 94;
 Matches 18; Conservative 3; Mismatches 6; Indels 0; Gaps 0;
 Qy 3 GGCUACGGTAGAGCAUCATGATCCUG 29
 Db 123 GGCTACTCGAGTGTGATGACCTGTG 97

RESULT 6
 US-10-750-623-53338/c
 / Sequence 53338, Application US/10750623
 / Publication No. US20050287531A1
 / GENERAL INFORMATION:
 / APPLICANT: MMI GENOMICS, INC.
 / APPLICANT: DENISE, Sue K.
 / APPLICANT: KERR, Richard
 / APPLICANT: ROSENFIELD, David
 / APPLICANT: HOLM, Tom
 / APPLICANT: BATES, Stephen
 / APPLICANT: FANTIN, Dennis
 / TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
 / FILE REFERENCE: MM1100-1
 / CURRENT APPLICATION NUMBER: US10/750,623
 / CURRENT FILING DATE: 2003-12-31
 / PRIOR APPLICATION NUMBER: US 60/437,482
 / PRIOR FILING DATE: 2002-12-31
 / NUMBER OF SEQ ID NOS: 64922
 / SOFTWARE: PatentIN version 3.1
 / SEQ ID NO: 5338
 / LENGTH: 762
 / TYPE: DNA
 / ORGANISM: Bovine 19866881728240
 US-10-750-623-53338

Query Match 59.3%; Score 17.8; DB 6; Length 1110;
 Best Local Similarity 65.5%; Pred. No. 65;
 Matches 19; Conservative 3; Mismatches 7; Indels 0; Gaps 0;
 Qy 2 AGCCUACGGTAGAGCAUCATGATCCUGT 30
 Db 595 AGGTACACATTCAGCATCTGATCCCTGT 623

RESULT 4
 US-11-121-086-68/c
 / Sequence 68, Application US/11121086
 / Publication No. US20050266452A1
 / GENERAL INFORMATION:
 / APPLICANT: POULSEN, TIM S.
 / APPLICANT: NIELSEN, KIRSTEN V.
 / TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
 / FILE REFERENCE: 09138.6000-00000
 / CURRENT APPLICATION NUMBER: US11/121,086
 / CURRENT FILING DATE: 2005-05-04
 / PRIOR APPLICATION NUMBER: 60/567,570
 / PRIOR FILING DATE: 2004-05-04
 / SOFTWARE: PatentIN version 3.3
 / SEQ ID NO: 68
 / LENGTH: 146656
 / TYPE: DNA
 / ORGANISM: Homo sapiens

Best Local Similarity 66.7%; Pred. No. 94;
Matches 18; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 3 GGUACCGTAGGAGCAUCATGATCCUGT 30
Db 123 GGCTACTGGAGTGATGACCGTGT 97

RESULT 9
US-10-750-623-26283
; Sequence 26283, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; DENISE, Sue K.
; KERR, Richard
; ROSENFIELD, David
; HOLM, Tom
; BATES, Stephen
; FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MMI1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIORITY NUMBER: US 60/437,482
; PRIORITY FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO: 26283
; LENGTH: 1733
; TYPE: DNA
; ORGANISM: Bovine 19866881128530
US-10-750-623-26283

Query Match 58.0%; Score 17.4; DB 7; Length 1002;
Best Local Similarity 66.7%; Pred. No. 98;
Matches 18; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 4 GGUACCGTAGGAGCAUCATGATCCUGT 30
Db 611 GGCTACTGGAGTGATGACCGTGT 637

RESULT 10
US-11-136-527-4382/C
; Sequence 4382, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; MOUNTS, William M.
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIORITY NUMBER: US 60/574,294
; PRIORITY FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 4382
; LENGTH: 1400
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-4382

Query Match 58.0%; Score 17.4; DB 6; Length 1733;
Best Local Similarity 70.4%; Pred. No. 1.1e+02;
Matches 19; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

Qy 1 CAGGCCACGGTAGAGCAUCATGATCCUGT 30
Db 511 CAGCATCCGCTAGGCCATCTGGCTCTGT 482

RESULT 11
US-11-136-527-224/C
; Sequence 224, Application US/11136527

Query Match 58.0%; Score 17.4; DB 6; Length 1733;
Best Local Similarity 70.4%; Pred. No. 1.1e+02;
Matches 19; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 19866881128530
Db 1733

Query Match 58.0%; Score 17.4; DB 6; Length 1733;
Best Local Similarity 70.4%; Pred. No. 1.1e+02;
Matches 19; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 19866881128530
Db 16283

Publication No. US20050287570A1
 GENERAL INFORMATION:
 APPLICANT: Mounts, William M
 TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
 FILE REFERENCE: 031896-041000 (AM101086)
 CURRENT APPLICATION NUMBER: US/11/136,527
 CURRENT FILING DATE: 2005-05-25
 PRIOR APPLICATION NUMBER: US 60/574,294
 PRIOR FILING DATE: 2005-05-26
 NUMBER OF SEQ ID NOS: 362830
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO 24
 LENGTH: 1696
 TYPE: DNA
 ORGANISM: *Rattus norvegicus*
 US-11-136-527-224
 Query Match 57.3%; Score 17.2; DB 7; Length 1696;
 Best Local Similarity 66.7%; Pred. No. 1.3e+02;
 Matches 20; Conservative 8; Indels 0; Gaps 0;
 Qy 1 CAGGCCUACGGTAGAGCAUCATGATCCUGT 30
 Db 1063 CAGCCTCCGGTAGGGCATCTCATCGGT 1034

RESULT 14
 US-10-995-561-11837/c
 Sequence 11837, Application US/10995561
 Publication No. US20050272054A1
 GENERAL INFORMATION:
 APPLICANT: CARGILL, Michele et al.
 TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
 FILE REFERENCE: CLO01559
 CURRENT APPLICATION NUMBER: US/10/995,561
 CURRENT FILING DATE: 2004-11-24
 NUMBER OF SEQ ID NOS: 85702
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 11837
 LENGTH: 201
 TYPE: DNA
 ORGANISM: *Homo sapiens*
 US-10-995-561-11837
 Query Match 56.7%; Score 17; DB 6; Length 201;
 Best Local Similarity 72.0%; Pred. No. 1.2e+02;
 Matches 18; Conservative 2; Indels 5; Gaps 0;
 Qy 1 CAGGCCUACGGTAGAGCAUCATGATCCUGT 25
 Db 179 CAGGCTTCCACGAAAGACCATCATGGT 155

RESULT 15
 US-10-995-561-61360/c
 Sequence 61360, Application US/10995561
 Publication No. US20050272054A1
 GENERAL INFORMATION:
 APPLICANT: CARGILL, Michele et al.
 TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
 FILE REFERENCE: CLO01559
 CURRENT APPLICATION NUMBER: US/10/995,561
 CURRENT FILING DATE: 2004-11-24
 NUMBER OF SEQ ID NOS: 85702
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 61360
 LENGTH: 201
 TYPE: DNA
 ORGANISM: *Homo sapiens*
 US-10-995-561-61360
 Query Match 56.7%; Score 17; DB 6; Length 201;
 Best Local Similarity 72.0%; Pred. No. 1.2e+02;
 Matches 18; Conservative 2; Indels 5; Gaps 0;
 Qy 1 CAGGCCUACGGTAGAGCAUCATGATCCUGT 25
 Db 176 CAGGCTTCCACGAAAGACCATCATGGT 152

RESULT 13
 US-10-995-561-11799/c
 Sequence 11799, Application US/10995561
 Publication No. US20050272054A1
 GENERAL INFORMATION:
 APPLICANT: CARGILL, Michele et al.
 TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
 FILE REFERENCE: CLO01559
 CURRENT APPLICATION NUMBER: US/10/995,561
 CURRENT FILING DATE: 2004-11-24
 NUMBER OF SEQ ID NOS: 85702
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 11799
 LENGTH: 201

Search completed: January 8, 2006, 17:22:16
 Job time : 245 secs

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SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 30)
AUTHORS Pietras, K., Osman, A., Heldin, C.-H. and Rubin, K.
TITLE Method for treatment of tumors using nucleic acid ligands to PDGF
JOURNAL Patent: US 6699843-A 1 02-MAR-2004;
FEATURES Gilead Sciences, Inc.; Foster City, CA
Location/Qualifiers 1..30
/organism="unknown"
/mol_type="genomic DNA"
ORIGIN

Query Match 100.0%; Score 30; DB 6; Length 30;
Best Local Similarity 90.0%; Pred. No. 0.0057;
Matches 27; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
KEYWORDS

Qy 1 CAGGCCUACGGTAGAGCAUCATGATCCUGT 30
Db 1 CAGGCTAACGGTAGAGCAUCATGATCCUGT 30

RESULT 3
LOCUS BD249885
DEFINITION Aptamers as reagents for high throughput screening.
ACCESSION BD249885
VERSION GI:33059655
KEYWORDS JP 2002541434-A/3.
SOURCE NEXSTAR PHARMACEUTICALS INC
ORGANISM Artificial Sequence
COMMENT Other sequences: artificial sequences.
REFERENCE 1 (bases 1 to 31)
AUTHORS Janjic, N. and Gold, L.
TITLE Aptamers as reagents for high throughput screening
JOURNAL Patent: JP 2002541434-A 3 03-DEC-2002;
COMMENT OS Artificial Sequence
PN JP 2002541434-A/3
PD 03-DEC-2002
PF 01-FEB-2000 JP 20000598668
PR 09-FEB-1999 US 09/246461
PI NEBOUSA JANJIC,LARRY GOLD
PC G01N33/566,C1201/68,G01N33/15,G01N33/53,G01N37/00 CC
Description of Artificial Sequence: Nucleic acid ligand CC The
t at position 1 is 2'-NH2.
CC The u's and c's at positions 7, 9, 20, 21, 27, 28 and 29 are
CC 2'-F.
CC The a's and g's at positions 10, 15, 17, 22 and 30 are 2'-O-
CC methyl.
CC The g at position 10 and the a at position 22 have been CC
modified with polyethylene glycol of 18 units.
FH Key Location/Qualifiers
FT modified_base (1)..(31)
FT modified_base (1)..(31).
FEATURES Source 1..31
/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
ORIGIN

Query Match 100.0%; Score 30; DB 6; Length 31;
Best Local Similarity 90.0%; Pred. No. 0.0057;
Matches 27; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
KEYWORDS

Qy 1 CAGGCCUACGGTAGAGCAUCATGATCCUGT 30
Db 2 CAGGCTAACGGTAGAGCAUCATGATCCUGT 31

RESULT 4
LOCUS AR366193
DEFINITION Sequence 3 from patent US 6329145.
ACCESSION AR366193
VERSION AR366193.1
KEYWORDS GI:34598575
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 31)
AUTHORS Janjic, N. and Gold, L.
TITLE Determining non-nucleic acid molecule binding to target by competition with nucleic acid ligand
JOURNAL Gilead Science, Inc.; Foster City, CA
Location/Qualifiers 1..31
/organism="unknown"
/mol_type="genomic DNA"
ORIGIN

Query Match 100.0%; Score 30; DB 6; Length 31;
Best Local Similarity 90.0%; Pred. No. 0.0057;
Matches 27; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
KEYWORDS

Qy 1 CAGGCCUACGGTAGAGCAUCATGATCCUGT 30
Db 2 CAGGCTAACGGTAGAGCAUCATGATCCUGT 31

RESULT 5
LOCUS AR442638
DEFINITION Sequence 3 from patent US 6670132.
ACCESSION AR442638
VERSION AR442638.1
KEYWORDS GI:42669895
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 31)
AUTHORS Janjic, N. and Gold, L.
TITLE Determining non-nucleic acid molecule binding to target by competition with nucleic acid ligand
JOURNAL Patent: US 6670132-A 3 30-DEC-2003;
Gilead Sciences, Inc.; Foster City, CA
Location/Qualifiers 1..31
/organism="unknown"
/mol_type="genomic DNA"
ORIGIN

Query Match 100.0%; Score 30; DB 6; Length 31;
Best Local Similarity 90.0%; Pred. No. 0.0057;
Matches 27; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
KEYWORDS

Qy 1 CAGGCCUACGGTAGAGCAUCATGATCCUGT 30
Db 2 CAGGCTAACGGTAGAGCAUCATGATCCUGT 31

RESULT 6
LOCUS AC120945/C
DEFINITION Rattus norvegicus clone CH230-285A15, WORKING DRAFT SEQUENCE.
ACCESSION AC120945
VERSION AC120945.7
KEYWORDS GI:25091832
HTG; HTG PHASE2; HTG DRAFT; HTG5 FULLTOP.
SOURCE Rattus norvegicus (Norway rat)
ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;

REFERENCE 1 (bases 1 to 214332)

AUTHORS Muny,D Marie., Metzker,M.Iee., Abramzon,S., Adams,C., Alder,J.,

Allyn,C., Allen,H., Alsbrooks,S., Amin,A., Anguiano,D.,

Argyalebuchi,V., Aoyagi,A., Ayodji,M., Baca,E., Baden,H.,

Baldwin,D., Bandaranaike,D., Barber,M., Barnstead,M., Benahmed,F.,

Bieswal,K., Blair,J., Blankenburg,K., Blyth,P., Brown,M.,

Bryant,N., Buhay,C., Burch,P., Burrell,K., Calderon,E.,

Cardenas,V., Carter,K., Cavazos,I., Caesar,H., Center,A.,

Chacko,J., Chavez,D., Chen,Y., Chen,Z., Chu,J.,

Cleveland,C., Cockrell,R., Cox,C., Coyle,M., Cree,A., D'Souza,L.,

Davila,M.L., Davis,C., Davy-Carroll,L., De And,C., Dederich,D.,

Delgado,O., Denson,S., Deramo,C., Ding,Y., Dinh,H., Divya,K.,

Draper,H., Dugan-Rocha,S., Dunn,A., Durbin,K., Duval,B., Eaves,K.,

Egan,A., Escott,M., Eugene,C., Evans,C.A., Falls,T., Fan,G.,

Fernandez,S., Finley,M., Flagg,N., Forbes,L., Foster,M., Foster,P.,

Fraser,C.M., Gabisi,A., Ganta,R., Garcia,A., Garner,T., Garza,M.,

Gebrgeorgis,E., Geer,K., Gill,R., Grady,M., Guerra,W., Guevara,W.,

Guanarne,P., Haaland,W., Hamil,C., Hamilton,C., Hamilton,K.,

Harvey,Y., Havlak,P., Hawes,A., Henderson,N., Hernandez,J.,

Hernandez,R., Hines,S., Hildun,S.L., Hodgson,A., Hogue,M.,

Hollins,B., Howells,S., Hulyk,S., Hume,J., Idlebird,D., Jackson,A.,

Jackson,L., Jacob,L., Jiang,H., Johnson,B., Johnson,R., Jolivet,A.,

Karpathy,S., Kelly,S., Khan,Z., King,L., Kovar,C.,

Kowis,C., Kraft,C.L., Lebow,H., Levan,J., Lewis,L., Liu,J.,

Liu,J., Liu,W., Liu,Y., London,P., Longacre,S., Lopez,J.,

Lorenshewa,L., Louised,H., Losado,R.J., Lu,X., Ma,J.,

Maheeshwari,M., Mahindra,M., Mahmoud,M., Malloy,K., Mangum,A.,

Mangum,B., Mapua,P., Martin,R., Martinez,B.,

Mawhinney,S., McLeod,M.P., McNeill,T.Z., Meenin,B.,

Morgan,M., Morris,K., Morris,S., Munidasa,M., Murphy,M., Nair,L.,

Naukervis,C., Neal,D., Newton,N., Nguyen,N., Norris,S.,

Nwoko,Leleh,O., Okwuonu,G., Olarunpungao,A., Pal,S., Parks,K.,

Paternak,S., Paul,H., Perez,A., Perez,L., Pfankoch,C.,

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Reilly,B., Reilly,M., Ren,Y., Reuter,M., Richards,S., Riggs,F.,

Rives,C., Rodkey,T.M., Rojas,A., Rose,R., Ruiz,S.J.,

Sanders,W., Savary,G., Scherer,S., Scott,G., Shatsman,S., Shen,H.,

Shetty,J., Shvartsbeyn,A., Sisson,I., Sitter,C.D., Smajs,D.,

Sneed,A., Sodergrn,E., Song,X.-Z., Sorelle,R., Soss,J.,

Steimle,M., Strong,R., Sutton,A., Svatek,A., Tabor,P., Taylor,C.,

Taylor,T., Thomas,N., Thomas,S., Tingey,A., Trejos,Z., Usmani,K.,

Valas,R., Vera,V., Villasana,D., Waldon,L., Walker,B., Wang,J.,

Wang,Q., Wang,S., Warren,R., Wei,X., White,F.,

Williams,G., Willmon,R., Wleczky,R., Wooden,H., Worley,K.,

Wright,D., Wright,R., Wu,J., Yatub,S., Yen,J., Yoon,L., Yoon,V.,

Yu,F., Zhang,J., Zhou,J., Zhou,X., Zhou,Y., Dunn,D., von

Niederhausern,A., Weiss,R., Smith,D.R., Holt,R.A., Smith,H.O.,

Weinstock,G. and Gibbs,R.A.

JOURNAL Direct Submission

REFERENCE 2 (bases 1 to 214332)

AUTHORS Worley,K.C.

JOURNAL Submitted (14-MAY-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA

REFERENCE 3 (bases 1 to 214332)

AUTHORS Rat Genome Sequencing Consortium.

JOURNAL Submitted (19-NOV-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA

COMMENT On Nov 19, 2002 this sequence version replaced gi:22907932. The sequence in this assembly is a combination of BAC based reads and whole genome shotgun sequencing reads assembled using Atlas (<http://www.hgsc.bcm.edu/projects/rat/>). Each contig described in the feature table below represents a scaffold in the Atlas assembly (a 'contig-scaffold'). Within each contig-scaffold, individual sequence contigs are ordered and oriented, and separated by sized gaps filled with Ns to the estimated size. The sequence

may extend beyond the ends of the clone and there may be sequence contigs within a contig-scaffold that consist entirely of whole genome shotgun sequence reads. Both end sequences and whole genome shotgun sequence only contigs will be indicated in the feature table.

Center: Baylor College of Medicine

Center code: BCM

Web site: <http://www.hgsc.bcm.tmc.edu/>

Contact: hgsc-help@bcm.tmc.edu

Project: GWRD

Center project name: GWRD

Center clone name: CH230-285A15

Summary Statistics

Assembly program: Phrap; version 0.990329

Consensus quality: 192159 bases at least Q40

Consensus quality: 194070 bases at least Q30

Consensus quality: 19534 bases at least Q20

Estimated insert size: 197053; sum-of-contigs estimation

Quality coverage: 9x in Q20 bases; sum-of-contigs estimation

Estimated insert size may differ from sequence length

(see http://www.hgsc.bcm.tmc.edu/docs/Genbank_draft_data.html).

This is a 'working draft' sequence. It currently consists of 1 contigs. Gaps between the contigs are represented as runs of N. The order of the pieces is believed to be correct as given, however the sizes of the gaps between them are based on estimates that have provided by the submitter.

This sequence will be replaced by the finished sequence as soon as it is available and the accession number will be preserved.

1 214332: contig of 214332 bp in length.

Location/Qualifiers

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/organism="Rattus norvegicus"

/mol_type="genomic DNA"

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/clone_id:CH230-285A15"

misc_feature

/note="wgs end extension

clone_end:Sp6"

5411. 6442

misc_feature

/note="wgs end extension

clone_end:Sp6"

8136. 9424

misc_feature

/note="clone_boundary

clone_end:Sp6"

site:

end sequence:BZ259845"

201676. 205194

/note="clone_boundary

clone_end:T7

site:

end sequence:BZ259842"

213050. 214332

misc_feature

/note="wgs end extension

clone_end:T7"

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Query Match 72.0%; Score 21.6; DB 14; Length 214332;

Best Local Similarity 75.0%; Pred. No. 99; Matches 21; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CAGGCUACGGCTAGAGCAUTGATGTCU 28

Db 144601 CAGGTCGCCGTAGACCATGATGAGAT 144574

RESULT 7

AC123112 AC123112 Rattus norvegicus clone CH230-174P11, WORKING DRAFT SEQUENCE, 2

DEFINITION Locus

Fragment Name	Begin	End
CP000010_00	1	110000
CP000010_01	100001	210000
CP000010_02	200001	310000
CP000010_03	300001	410000
CP000010_04	400001	510000
CP000010_05	500001	610000
CP000010_06	600001	710000
CP000010_07	700001	810000
CP000010_08	800001	910000
CP000010_09	900001	1010000
CP000010_10	100001	1110000
CP000010_11	110001	1210000
CP000010_12	120001	1310000
CP000010_13	130001	1410000
CP000010_14	140001	1510000
CP000010_15	150001	1610000
CP000010_16	160001	1710000
CP000010_17	170001	1810000
CP000010_18	180001	1910000
CP000010_19	190001	2010000
CP000010_20	200001	2110000
CP000010_21	210001	2210000
CP000010_22	220001	2310000
CP000010_23	230001	2410000
CP000010_24	240001	2510000
CP000010_25	250001	2610000
CP000010_26	260001	2710000
CP000010_27	270001	2810000
CP000010_28	280001	2910000
CP000010_29	290001	3010000
CP000010_30	300001	3110000
CP000010_31	310001	3210000
CP000010_32	320001	3310000
CP000010_33	330001	3410000
CP000010_34	340001	3510000
CP000010_35	350001	3510148
CP000010_36	350001	3510148
Continuation [74 of 36] of CP000010 from base 2300001 (CP000010 Burkholderia mallei ATCC		
Qy	3 GGCUTACGGCTAGACCAUCATGATCCUGT 30	66.7%; Score 20; DB 1; Length 110000;
Db	32065 GGCTACGGCTACGGCTACGGTCACTGATCTGT 32038	Best Local Similarity 75.0%; Pred. No. 5.3e-02; Matches 21; Conservative 2; Mismatches 5; Indels 0; Gaps 0;
RESULT 11		
AC150398	AC150398	163878 bp DNA linear complete sequence.
LOCUS	Branchiostoma floridae clone CH302-18L14,	INV 12-NOV-2004
DEFINITION		
ACCESSION	AC150398	
VERSION	AC150398.3	GI 55701323
KEYWORDS	HTG.	
SOURCE	Branchiostoma floridae (Florida lancelet)	
ORGANISM	Eukaryota; Metazoa; Chordata; Cephalochordata; Branchiostomidae; Branchiostoma.	
REFERENCE	1 (bases 1 to 163878)	
AUTHORS	DOE Joint Genome Institute and Stanford Human Genome Center.	
TITLE	Direct Submission.	
JOURNAL	Unpublished	
REFERENCE	2 (bases 1 to 163878)	
AUTHORS	DOE Joint Genome Institute.	
TITLE	Direct Submission.	
JOURNAL	Submitted (20-JUL-2004) Production Genomics Facility, DOE Joint Genome Institute, 2800 Mitchell Drive B100, Walnut Creek, CA 94598-1698, USA	
REFERENCE	3 (bases 1 to 163878)	
AUTHORS	Stanford Human Genome Center.	
CONSTITUE	DOE Joint Genome Institute	
TITLE	Direct Submission	

JOURNAL	Submitted (28-OCT-2004) DOE Joint Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA					
REFERENCE AUTHORS	4 (bases 1 to 163878) Stanford Human Genome Center.					
CONSRNM TITLE JOURNAL	DOE Joint Genome Institute					
COMMENT	Direct Submission					
COMMENT	Submitted (12-NOV-2004) DOE Joint Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA					
COMMENT	On Nov 12, 2004 this sequence version replaced gi:54697207.					
COMMENT	Draft Sequence Produced by DOE Joint Genome Institute					
COMMENT	www.jgi.doe.gov					
FEATURES	Finishing Completed at Stanford Human Genome Center www.shgc.stanford.edu					
ORIGIN	Quality: Phrap Quality >=40 100% of Sequence; /mol type="Genomic DNA" /db_xref="itaxon:7739" /clone="CH302-18L14"					
source	1. 163878					
source	Location/Qualifiers					
Query Match	66.7%	Score 20;	DB 2;	Length 163878;		
Best Local Similarity	71.4%	Pred. No. 5.5e+02;			linear	HTG 25-JAN-200
Matches	20;	Conservative	3;	Mismatches 5;	Indels 0;	Gaps 0
Qy	3 GGCUAACGGTAGAGCAUCATGATCCUGT 30					
Db	1 GCTTATCTGGTAGGCTAGGATCAGGATCCTGT 68151					
RESULT 12	AC155516/c	AC155516	172391 bp	DNA	linear	HTG 25-JAN-200
LOCUS	Sea mays strain B73 clone ZMMBBC0059P07, *** SEQUENCING IN PROGRESS					
DEFINITION	***, 22 unordered pieces.					
ACCESSION	AC155516					
VERSION	AC155516.2					
KEYWORDS	HTG; HTGS_PHASE1.					
SOURCE	Zea mays					
ORGANISM	Zea mays					
REFERENCE AUTHORS	Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD clade; Panicoideae; Andropogoneae; Zea.					
REFERENCE AUTHORS	1 (bases 1 to 172391)					
REFERENCE AUTHORS	Chan,A.P., Perera,G., Zheng,L., Cheung,F., Lee,D., Koo,H., Utterback,T.R., Feildlynn,T.V., Rabinowicz,P., Fraser,C.M., Schubert,K., SanMiguel,P., Ma,J., Pontaroli,A.C., Rohlfing,T., Budiman,A., Bedell,J.A., Lakey,N., Barbazuk,B., Bennetzen,J. and Quackenbush,J.					
TITLE JOURNAL	Consortium for Maize Genomics - BAC skim sequencing and assembly Unpublished					
REFERENCE AUTHORS	2 (bases 1 to 172391)					
REFERENCE AUTHORS	Chan,A.P., Perera,G., Zheng,L., Cheung,F., Lee,D., Koo,H., Utterback,T.R., Feildlynn,T.V., Rabinowicz,P., Fraser,C.M., Schubert,K., SanMiguel,P., Ma,J., Pontaroli,A.C., Rohlfing,T., Budiman,A., Bedell,J.A., Lakey,N., Barbazuk,B., Bennetzen,J. and Quackenbush,J.					
REFERENCE AUTHORS	Direct Submission					
REFERENCE AUTHORS	Submitted (15-JAN-2005) The Institute for Genomic Research (TIGR), 9712 Medical Center Dr, Rockville, MD 20850					
REFERENCE AUTHORS	3 (bases 1 to 172391)					
REFERENCE AUTHORS	Chan,A.P., Perera,G., Zheng,L., Cheung,F., Lee,D., Koo,H., Utterback,T.R., Feildlynn,T.V., Rabinowicz,P., Fraser,C.M., Schubert,K., SanMiguel,P., Ma,J., Pontaroli,A.C., Rohlfing,T., Budiman,A., Bedell,J.A., Lakey,N., Barbazuk,B., Bennetzen,J. and Quackenbush,J.					
TITLE JOURNAL	Direct Submission					
REFERENCE AUTHORS	Submitted (25-JAN-2005) The Institute for Genomic Research (TIGR), 9712 Medical Center Dr, Rockville, MD 20850					
COMMENT	On Jan 25, 2005 this sequence version replaced gi:57863037.					
TITLE JOURNAL	----- Trace submission					
COMMENT	----- Trace submission					

Center name: TIGR
 Seq_id: ZGEV
 Project information
 Web site: <http://www.tigr.org/tgb/tgi/maize/>
 Contact: maize@tigr.org

NOTE: This is a 'working draft' sequence. It currently consists of 22 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.

1. 2176: contig of 2176 bp in length

2177 2276: gap of unknown length

2277 8721: contig of 6445 bp in length

8722 8821: gap of unknown length

8822 10663: contig of 1842 bp in length

10664 10753: gap of unknown length

10753 24961: contig of 14198 bp in length

24961 25051: gap of unknown length

25051 27709: contig of 2648 bp in length

27709 27809: gap of unknown length

27809 38917: contig of 11108 bp in length

38917 39017: gap of unknown length

39017 40262: contig of 1245 bp in length

40262 40363: gap of unknown length

40363 42644: contig of 2282 bp in length

42645 42744: gap of unknown length

42744 63100: contig of 20356 bp in length

63100 63200: gap of unknown length

63200 67550: contig of 4350 bp in length

67550 67650: gap of unknown length

67650 69774: contig of 2124 bp in length

69774 69874: gap of unknown length

69874 71410: contig of 1536 bp in length

71410 71511: gap of unknown length

71511 74430: contig of 2320 bp in length

74430 74530: gap of unknown length

74530 79101: contig of 4571 bp in length

79101 79202: gap of unknown length

79202 80763: contig of 1562 bp in length

80763 80833: gap of unknown length

80833 83263: contig of 2400 bp in length

83263 83264: gap of unknown length

83264 89562: contig of 6239 bp in length

89562 89703: gap of unknown length

89703 97958: contig of 8265 bp in length

97958 98068: gap of unknown length

98068 112608: contig of 14541 bp in length

112608 112708: gap of unknown length

112708 152216: contig of 39508 bp in length

152216 152316: gap of unknown length

152316 160007: contig of 7691 bp in length

160007 160107: gap of unknown length

160107 172394: contig of 12284 bp in length.

LocationQualifiers

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 /stzine="B73"
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71411 .71510
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ORIGIN

Query Match 66.7% Score 20; DB 14; Length 172391;
 Best Local Similarity 75.0%; Pred. No. 5.5e+02;
 Matches 21; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 2 AGGCUAGCCTAGACCAUCATGATCGCUG 29
 Db 96357 AGACACGGCTCGAGGATPATGAGCTG 963330

RESULT 13

AC145730 LOCUS 174912 bp DNA linear HTG 16-JUN-2004
 DEFINITION Zea mays clone ZMBBBC0036A01, *** SEQUENCING IN PROGRESS **, 2
 ORGANISM Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
 KEYWORDS Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
 AC145730.8 GI:48762548
 AC145730.9 HMG: HTGS_PHASE2; HTGS_FULLTOP; HTGS_ACTIVEFIN
 AC145730.10 Unpublished
 AC145730.11 (bases 1 to 174912)
 AC145730.12 Zea mays
 AC145730.13 and Messing,J.
 AC145730.14 Birren,B., Nusbaum,C., Lander,E., Butler,E., Wing,R., Bharti,A.K.
 AC145730.15 JOURNAL
 AC145730.16 (bases 1 to 174912)
 AC145730.17 Birren,B., Nusbaum,C., Lander,E., Abouelleil,A., Allen,N.,
 AC145730.18 Anderson,M., Arachchi,H.M., Barna,N., Bastien,V., Bloom,T.,
 AC145730.19 Boguslavskiy,L., Bodenbaler,B., Camarati,J., Chang,J., Choepel,Y.,
 AC145730.20 Collymore,A., Cook,A., Cooke,P., Corruccini,B., Dearellano,K.,
 AC145730.21 Diaz,J.S., Dodge,S., Dooley,K., Dorris,L., Erickson,J., Faro,S.,
 AC145730.22 Ferreira,P., Fitzgerald,M., Gage,D., Glazebrook,J., Gardyna,S.,
 AC145730.23 Graham,L., Grand-Pierre,N., Hafetz,N., Haggopian,D., Hagos,B.,
 AC145730.24 Hall,J., Horton,L., Hulme,W., Iliev,I., Johnson,R., Jones,C.,
 AC145730.25 Kamat,A., Karatas,A., Kellis,C., Landers,T., Levine,R.,
 AC145730.26 Lindblad-Toh,K., Liu,X., Liu,A., Mabbitt,R., MacLean,C.,

FEATURES

Source

REFERENCE

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27710 .27809
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TITLE JOURNAL									
Macdonald, P., Major, J., Manning, J.J., Matthews, C., McCarthy, M., McElroy, J., Melenchuk, L., Meneus, L., Mihova, T., Mlenga, V., Murphy, T., Naylor, J., Nield, J., Nieuw, C., Nicol, R., Norbu, C., O'Connor, T., O'Donnell, P., O'Neil, D., Oliver, J., Peterson, K., Phunkhang, P., Pierre, N., Rachupka, A., Ramasamy, U., Raymond, C., Retta, R., Rice, C., Roman, J., Schauer, S., Schupback, R., Seaman, S., Severy, P., Smith, C., Spencer, B., Stange-Thomann, N., Stojanovic, N., Stubbs, M., Talama, J., Tesfaye, S., Theodore, K., Topham, K., Travers, M., Vassiliev, H., Venkataraman, V.S., Viel, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Young, G., Zainoun, J., Zembek, L., Zimmer, A., and Zody, M.	Submitted (16-JUN-2004) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA	FEATURES source	Query Match 66.7%; Score 20; DB 14; Length 174912; Best Local Similarity 75.0%; Pred. No. 5.5e+12; Matches 21; Conservative 2; Mismatches 5; Indels 0; Gaps 0; gap	AC155574_c	AC155574_s	AC155574_c	AC155574_s	AC155574_c	AC155574_s
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Center name: TIGR
 SeqLib_id: ZGBP
 ----- Project information
 Web site: <http://www.tigr.org/tgb/tgi/maize/>
 Contact: maize@tigr.org

NOTE: This is a 'working draft' sequence. It currently consists of 33 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.

1 2121: contig of 2171 bp in length
 * 2271: gap of unknown length
 * 2272: contig of 1049 bp in length
 * 3320: gap of unknown length
 * 3321: gap of unknown length
 * 3420: contig of 11347 bp in length
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 * 14868: contig of 754 bp in length
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 * 162837: 162936: gap of unknown length
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 * 166738: 166837: gap of unknown length
 * 166838: 168126: contig of 1289 bp in length
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 * 170511: 181026: contig of 11216 bp in length.

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| VEFEENRNLSPVNRLASKLVSSTQHDLVRLTASSETAEVPRVSAIREQAOEDMQS       | INSEELERLLALKAVNPINRDEEIEVDQDQIKELTYIAQYQLDLSRLLIVAHN"                                |


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ORIGIN

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Best Local Similarity 87.0; Pred. No. 5.5e+02;
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Qy 7 ACGCGTAGAGCAUCATGATCCUG 29
Db 2363 ACGCGTAGAGCAUCATGATCCUG 2385

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Search completed: January 8, 2006, 16:24:45
 Job time : 1732 secs

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GenCore version 5.1.6
 Copyright (c) 1993 - 2006 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 8, 2006, 15:08:49 ; Search time 2518 Seconds
 (without alignments)
 557.431 Million cell updates/sec

Title: US-10-791-367-1
 Perfect score: 30
 Sequence: 1 caggguacgcgttagggcaucatgtatccuggt 30

Scoring table: IDENTITY_NUC
 Gapop 10.0 , Gapext 1.0

Searched: 41078325 seqs, 23393541228 residues

Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0

BZ628162 ih58c10.b

Post-processing: Minimum Match 0% Maximum Match 100% Existing First 15 summaries

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2:	gb_est2:*
3:	gb_est3:*
4:	gb_hc:*
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6:	gb_est5:*
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CDNA library, gastrula whole animal									
					ORIGIN				
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ORGANISM					AUTHORS	Kirkness, E.B., Bafna, V., Halpern, A.L., Levy, S., Remington, K., Rusch, D.B., Delcher, A.L., Pop, M., Wang, W., Fraser, C.M. and Venter, J.C.
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VERSION	BX306829.2	EST.				The Institute for Genomic Research
KEYWORDS						Department of Eukaryotic Genomics, TIGR, 9712 Medical Center Drive, Rockville, MD 20850, USA
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DEFINITION	BX306829					DB 9;
ACCESSION	BX306829					

Clones are derived from the human BAC library RPCI-11. For BAC (pister@edjong.med.buffalo.edu). Clones may be purchased from BACPAC Resources (http://bacpac.med.buffalo.edu/ordering_bac.htm) or from Research Genetics (<http://www.resgen.com>). BAC end Web Server: <http://www.hpac.washington.edu>

Place: 619 row: H column: 22

Seq primer: T7

Class: BAC ends

High quality sequence stop: 521.

Location/Qualifiers

1..521

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 /sex="male"
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 /note="Vector: PBACE3.6; Site:1: EcorI; Site:2: EcorI;
 Male blood DNA was isolated from one randomly chosen donor
 and partially digested with a combination of EcorI and
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 PBACE3.6 vector at EcorI sites"

ORIGIN

Query Match Similarity 68.0%; Score 20.4; Length 521;
 Best Local Similarity 73.3%; Pred. No. 3.2e+02;
 Matches 22; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 1 CAGGCUACGGTAGAGCAUCATGATCCUGT 30
 Db 209 CAGCCACCGGGAGCATCATGCTCCCT 180

RESULT 8
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 DEFINITION Triticum turgidum etiolated seedling 20 days old Triticum
 turgidum cDNA clone 05716R. mRNA sequence.

ORIGIN

REFERENCE 1. (bases 1 to 631)
 AUTHORS Cifarelli, R.A., D'Onofrio, O. and Lauria, G.
 TITLE Unpublished (2003)

JOURNAL

COMMENT

Contact: Cifarelli RA

Biotechnology

Metapontum Agrobios S.S. Jonica 106 km 448.2, 75010 Metaponto (MT), Italy.

FEATURES

1..631

/organism="Triticum turgidum"
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 /db_xref="taxon:4571"
 /clone="05716R"
 /tissue_type="etiolated seedling"
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ORIGIN

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 Best Local Similarity 76.7%; Pred. No. 3.2e+02;
 Matches 23; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 CAGGCUACGGTAGAGCAUCATGATCCUGT 30

Db 388 CAGGCCACGGCAAGAGCTGCTTAATCCTG 359

RESULT 9
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 DEFINITION Salmo salar (Atlantic salmon)
 VERSION EST.
 KEYWORDS
 SOURCE ORGANISM Salmo salar; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Actinopterygii; Neopterygii; Teleostei; Buteleosteai; Protacanthopterygii; Salmoniformes; Salmonidae; Salmo. 1 (bases 1 to 639)
 REFERENCE Risse, M., von Schalburg, K.R., Brown, G.D., Mawer, M.A., Devlin, R.H., Kuipers, N., Bubsy, M., Beetz-Sargent, M., Alberto, R., Gibbs, A.R., Hunt, P., Shukin, R., Zennik, J.A., Schein, J.E., Matra, M.A., Snailus, D.E., Jones, S.J., Schein, J.E., Matra, M.A., Butterfield, Y.S., Stott, J.M., Ng, S.H., Davidson, W.S. and Koop, B.F. Development and application of a salmonid EST database and cDNA microarray: data mining and interspecific hybridization characteristics. Genome Res. 14 (3), 478-490 (2004)
 JOURNAL Genome Res. 14 (3), 478-490 (2004)
 PUBMED 14962987
 COMMENT Contact: Koop BF
 Centre for Biomedical Research
 University of Victoria
 PO Box 3020 STN CSC, Victoria BC, V8W 3N5, Canada
 FEATURES Source
 /organism="Salmo salar"
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 /strain="McConnell"
 /db_xref="taxon:8030"
 /clone_lib="mixed tissue"
 /note="Vector: pCM8sport6; Library Creator: Research Genetics; Atlantic salmon tissue contributors: Carlo Biagi, Mitch Uh and Robert Devlin (DFO, Vancouver, B.C.), Simon Jones (PBS, Nanaimo, B.C.), Seaspire Hatchery (Crofton, B.C.), Rachel Roper (University of Victoria)"
 ORIGIN
 Query Match Similarity 68.0%; Score 20.4; DB 5; Length 639;
 Best Local Similarity 70.0%; Pred. No. 3.3e+02;
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 Db 412 CTGGCTACAAAGAGCATCATGGCCCTGT 383

RESULT 10
 CC494201/c CC494201 LOCUS CC494201_319K8.T7 CHORI-240 Bos taurus genomic clone CH240_329K8,
 DEFINITION genomic survey sequence.
 GSS CC494201
 VERSION 412 GI:31806325
 KEYWORDS GSS.
 SOURCE
 ORGANISM Bos taurus (cow)
 Bos taurus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

REFERENCE	Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae; Bovinae; Bos. 1 (bases 1 to 759)	COMMENT	Contact: Grimwood, Jane Stanford Human Genome Center Stanford University School of Medicine 975 S California Ave, Palo Alto, CA 94304, USA
AUTHORS	Holt, R.; Stott, J.; Yang, G.; Barber, S.; Smalley, D.; Prabhu, A.-L., Tsai, M.; Cloutier, A.; Lee, D.; Giri, N.; Olson, T.; Mayo, M., Butterfield, Y.; Kirkpatrick, R.; Liu, J.; Guin, R.; Chan, A.; Chiu, R., Mathewson, C.; Wye, N.; Masson, A.; Brown-John, M.; Jones, S., Schein, J.; Marra, M.; de Jong, P.; McWilliam, S.; Barrios, W., Dairymple, B.P. and Tellam, R.		Tel: 650 320 5917 Fax: 650 320 5801 Email: jane@shgc.stanford.edu Plate: 97 High quality sequence stop: 872.
TITLE	Bovine BAC End Sequences from Library CHORI-240, PLATES 294 to 398	FEATURES	Location/Qualifiers 1. 1-1332 Source /organism="Gasterosteus aculeatus" /mol_type="mRNA" /strain="BitrufiJordur marine sticklebacks, Iceland" /db_xref="taxon:69293" /clone="CLJ97-H05" /sex="mixed male and female" /tissue_type="whole larva" /dev_stage="1 day old larva collected at Swartup Stage 30 (J. Embryol. Exp. Morphol 6: 373-383 1958)" /lab_host="DH10B (T1 phage resistant)" /clone_lib="SHGC-CLJ"
JOURNAL	Unpublished (2003)	COMMENT	note="Vector: Express 1: Total and poly A+ RNA was isolated from the indicated stickleback tissue, and a cDNA library was constructed in the Express 1 plasmid vector by Open Biosystems. First strand cDNA synthesis was primed with an 54 bp linker primer containing an oligo(dT) sequence proceeded by a synthetic NotI site (first strand primer: 5'-GACATAGTCAGATGCGAGCGGCCGTC-3'). Following second strand synthesis, cDNAs were made blunt at the end corresponding to the original 5' prime end of mRNA, and cloned directionally into the NotI and EcoRV sites of Express 1. Note that the EcoRV site is typically destroyed in the blunt end cloning, leaving a junction of the form 'xxxATC' (where is ATC is the second half of the EcoRV site, and xxx is derived from the cDNA sequence). A map of the Express 1 vector is available at: http://www.openbiosystems.com/cDNA/library_construction_fa_q.php#8 The primary library was transformed and amplified in DH10B (T1 phage resistant) bacteria. Clones available from Open Biosystems: http://www.openbiosystems.com/stickleback "
COMMENT	Contact: Rob Holt Sequencing The British Columbia Cancer Agency Genome Science Centre 600 W. 10th Ave, Vancouver, British Columbia, Canada V5Z 4E6 Tel: 604-877-6085 Fax: 604-877-6276 Email: rholte@cgsc.ca	FEATURES	Source /organism="Bos taurus" /mol_type="genomic DNA" /strain="breed: Hereford" /db_xref="taxon:9913" /clone="CH240_329Kb" /sex="Male" /cell_type="Blood" /clone_lib="CHORI-240" /note="Vector: pTABAC1.3; Site 1: MboI; Site 2: MboI; Hereford bull Li Domino 99315; CHORI-240 Bovine BAC library (Male) produced by Pieter de Jong"
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FEATURES	Source /organism="Bos taurus" /mol_type="genomic DNA" /strain="breed: Hereford" /db_xref="taxon:9913" /clone="CH240_329Kb" /sex="Male" /cell_type="Blood" /clone_lib="CHORI-240" /note="Vector: pTABAC1.3; Site 1: MboI; Site 2: MboI; Hereford bull Li Domino 99315; CHORI-240 Bovine BAC library (Male) produced by Pieter de Jong"	ORIGIN	Qy 1 CAGGCCUACGGCTAGAGCAUCATGATGCCUGT 30 Db 94 CAGGCTPATCAAAGGACCATGATCCCTAT 65
RESULT 12	DN686483	RESULT 12	DN686483 LOCUS DN686483 DEFINITION CGX47-C07.yid-s SHGC-CGX Gasterosteus aculeatus mRNA VERSION DN686483 KEYWORDS EST. SOURCE Gasterosteus aculeatus (three spined stickleback) ORGANISM Gasterosteus aculeatus Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Butelostomii; Actinopterygii; Neopterygii; Teleostei; Butelostei; Neoteleosteii; Acanthomorpha; Acanthopterygii; Percormorpha; Gasterosteiformes; Gasterosteidae; Gasterosteus. 1 (bases 1 to 1332)
REFERENCE	Kingsley, D.M., Peichel, C., Balabhadra, S., Grimwood, J., Dickson, M., Schmitz, J. and Myers, R.M.	REFERENCE	GI:62035850 TITLE Unpublished (2003) JOURNAL COMMENT Contact: Grimwood, Jane
AUTHORS		AUTHORS	
TITLE		TITLE	
JOURNAL		JOURNAL	

Stanford Human Genome Center Stanford University School of Medicine 975 California Ave., Palo Alto, CA 94304, USA Tel: 650 320 5917 Fax: 650 320 5801 Email: jane@shgc.stanford.edu	Plate: 47 High quality sequence stop: 834. Location/Qualifiers 1. 1351 /organism="Gasterosteus aculeatus" /mol_type="mRNA" /strain="Conner Creek sticklebacks, WA /db_xref="Taxon:69233" /clone="CGX47-C07" /sex="mixed male and female" /tissue type="eye" /dev_stage="adult" /lab_host="DH10B (T1 phage resistant)" /clone lib="SHGC-CGX" /note="Vector: Express 1; Total and pool isolated from the indicated stickleback library was constructed in the Express Open Biosystems. First strand cDNA synthesis with an 54 bp linker primer containing 'xxATC' (where 'x' is ANC is the second half site, and 'xxx' is derived from the cDNA second strand synthesis, cDNAs were made corresponding to the original 5 prime end cloned directionally into the NotI and Express 1. Note that the EcoRV site is in the blunt end cloning, leaving a jump 'xxATC' (where 'x' is ANC is the second half site, and 'xxx' is derived from the cDNA the Express 1 vector is available at: http://www.openbiosystems.com/cdna-libRARY.q.php?is The primary library was transfected in DH10B (T1 phage resistant) bacteria. from Open Biosystems: http://www.openbiosystems.com/stickleback																																																																																					
FEATURES	source																																																																																					
	Query Match 68.0% ; Score 20.4 ; DB 8 ; Length 70.0% ; Pred. No. 3 6e+02 ; Indels 21 ; Conservative 3 ; Mismatches 6 ; Indels																																																																																					
	<table> <tr> <td>Y</td><td>1 CAGGCUGACGCCGTAGAGCAUCATGATCCUGT 30</td></tr> <tr> <td>O</td><td>797 CGGGCTACAGCAGAGCATGCGCTGT 826</td></tr> </table>	Y	1 CAGGCUGACGCCGTAGAGCAUCATGATCCUGT 30	O	797 CGGGCTACAGCAGAGCATGCGCTGT 826																																																																																	
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O	797 CGGGCTACAGCAGAGCATGCGCTGT 826																																																																																					
ORIGIN	RESULT 13																																																																																					
	<table> <tr> <td>ORGANISM</td><td>N711868.c</td><td>DN711868</td><td>1372 bp mRNA</td><td>lineae</td></tr> <tr> <td>DEFINITION</td><td></td><td>CLJ97-H05.x1d-t</td><td>SHGC-CLJ Gasterosteus aculeatus</td><td></td></tr> <tr> <td></td><td></td><td>CLJ97-H05 3'</td><td>mRNA sequence.</td><td></td></tr> <tr> <td>ACCESSION</td><td></td><td>DN711868</td><td></td><td></td></tr> <tr> <td>DN711868.1</td><td></td><td>GI:62076907</td><td></td><td></td></tr> <tr> <td>EST.</td><td></td><td></td><td></td><td></td></tr> <tr> <td>Gasterosteus aculeatus (three spined stickleback</td><td></td><td></td><td></td><td></td></tr> <tr> <td>Eukaryota; Metazoa; Chordata; Craniata; Vertebrata</td><td></td><td></td><td></td><td></td></tr> <tr> <td>Actinopterygii; Acanthopterygii; Teleostei; Buteleostei</td><td></td><td></td><td></td><td></td></tr> <tr> <td>Acanthomorpha; Acanthopterygii; Percomorpha; Gasterosteidae, Gasterosteus.</td><td></td><td></td><td></td><td></td></tr> <tr> <td>1 (bases 1 to 1272)</td><td></td><td></td><td></td><td></td></tr> <tr> <td>Kingsley, D.M., Peichel, C., Balabahdra, S., Grimwood, J., Myers, R.M., Schmutz, J., and Myers, R.M.</td><td></td><td></td><td></td><td></td></tr> <tr> <td>Expressed sequence tags from <i>Gasterosteus aculeatus</i></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Unpublished (2003)</td><td></td><td></td><td></td><td></td></tr> <tr> <td>CONTACT: Grimwood, Jane</td><td></td><td></td><td></td><td></td></tr> <tr> <td>Stanford Human Genome Center</td><td></td><td></td><td></td><td></td></tr> <tr> <td>Stanford University School of Medicine</td><td></td><td></td><td></td><td></td></tr> </table>	ORGANISM	N711868.c	DN711868	1372 bp mRNA	lineae	DEFINITION		CLJ97-H05.x1d-t	SHGC-CLJ Gasterosteus aculeatus				CLJ97-H05 3'	mRNA sequence.		ACCESSION		DN711868			DN711868.1		GI:62076907			EST.					Gasterosteus aculeatus (three spined stickleback					Eukaryota; Metazoa; Chordata; Craniata; Vertebrata					Actinopterygii; Acanthopterygii; Teleostei; Buteleostei					Acanthomorpha; Acanthopterygii; Percomorpha; Gasterosteidae, Gasterosteus.					1 (bases 1 to 1272)					Kingsley, D.M., Peichel, C., Balabahdra, S., Grimwood, J., Myers, R.M., Schmutz, J., and Myers, R.M.					Expressed sequence tags from <i>Gasterosteus aculeatus</i>					Unpublished (2003)					CONTACT: Grimwood, Jane					Stanford Human Genome Center					Stanford University School of Medicine				
ORGANISM	N711868.c	DN711868	1372 bp mRNA	lineae																																																																																		
DEFINITION		CLJ97-H05.x1d-t	SHGC-CLJ Gasterosteus aculeatus																																																																																			
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Stanford Human Genome Center																																																																																						
Stanford University School of Medicine																																																																																						

FEATURES	Source						
	<p>975 S California Ave, Palo Alto, CA 94304, USA Tel: 650 320 5917 Fax: 650 320 5801 Email: jane@shgc.stanford.edu Plate: 97 High quality sequence stop: 843. Location/Qualifiers 1. .1372 /organism="Gasterosteus aculeatus" /mol="Type"="mRNA" /strain="Birtrufiordur marine stickleback" /db_xref="taxon:69293" /clone="CLu97-H05" /sex="mixed male and female" /tissue_type="whole larva" /dev_stages="21 day old larvae collected from (J. Embryol. Exp. Morphol 6: 373-383 '1961) /lab_host="DH10B (T1 phage resistant)'" /clone_id="SHGC-CLuJ" /note="Vector: Express 1: Total and poly-A isolated from the indicated stickleback library was constructed in the Express system. First strand cDNA synthesis was performed with an 54 bp linker primer containing a NotI site (F5' -GACTAGTCATGATCGCGAGCGGCCCT' R5' -xxxATC, where is ATC is the second hairpin loop, xxx is derived from the cDNA site, and xxx is derived from the vector) and cloned directionally into the NotI and XbaI sites. Express 1. Note that the EcoRI site is in the blunt end cloning, leaving a junction 'xxxATC' (where is ATC is the second hairpin loop, xxx is derived from the cDNA site, and xxx is derived from the vector) and cloned directionally into the NotI and XbaI sites. The primary library was transferred to a 96-well plate (T1 phage resistant) bacteria from Open Biosystems: http://www.openbiosystems.com/cDNA-lib.html The primary library was transferred to a 96-well plate (T1 phage resistant) bacteria from Open Biosystems: http://www.openbiosystems.com/stickleback</p>						
ORIGIN							
	<p>Query Match 68.0%; Score 20.4%; DB 8; Length 30 Best Local Similarity 70.0%; Prod. No. 3.6e+02; Indels 6; Mismatches 3; Conservative 21; Matches 21; Local Similarity 70.0%;</p> <table> <tr> <td>Qy</td> <td>1 CAGGCURAGCGCTAGAGCAUCATGATCCCTG</td> <td>EST.</td> </tr> <tr> <td>Db</td> <td>692 CGGGCTACAGAGGATCATGGCTGT</td> <td>Gasterosteus aculeatus (three spined stickleback)</td> </tr> </table> <p>RESULT 14 DN686482/C LOCUS DN686482 DEFINITION CGK47-C07.x1d-t SHGC-CGK Gasterosteus aculeatus CGK47-C07 3', mRNA sequence. ACCESSION DN686482 VERSION 662035848 KEYWORDS EST. SOURCE Gasterosteus aculeatus (three spined stickleback) ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Actinopterygii; Neopterygii; Teleostei; Euteleostei; Acanthomorpha; Acanthopterygii; Percormorpha; Gasterosteidae; Gasterosteus. 1 (bases 1 to 1413) AUTHORS Kingsley, D.M., Peichl, C., Balabahira, S., Grimm, Schmutz, J., and Myers, R.M. TITLE Expressed sequence tags from Gasterosteus aculeatus JOURNAL Unpublished (2003) COMMENT Contact: Grimwood, Jane Stanford Human Genome Center Stanford University School of Medicine 975 S California Ave, Palo Alto, CA 94304, USA</p>	Qy	1 CAGGCURAGCGCTAGAGCAUCATGATCCCTG	EST.	Db	692 CGGGCTACAGAGGATCATGGCTGT	Gasterosteus aculeatus (three spined stickleback)
Qy	1 CAGGCURAGCGCTAGAGCAUCATGATCCCTG	EST.					
Db	692 CGGGCTACAGAGGATCATGGCTGT	Gasterosteus aculeatus (three spined stickleback)					

Tel: 650 320 5917
 Fax: 650 320 5801
 Email: jane@shgc.stanford.edu
 Plate: 47
 High quality sequence start: 15
 High quality sequence stop: 782.
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 ORIGIN
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 Best Local Similarity 70.0%; Pred. No. 3.6e+02;
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 Search completed: January 8, 2006, 17:06:47
 Job time : 2521 secs

RESULT 15
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 Gasterosteidae; Gasterosteus.
 1. (bases 1 to 1669)
 REFERENCE Kingsley, D., Grimwood, J., Dickson, M., Schmutz, J. and Myers, R. M.
 AUTHORS
 TITLE
 JOURNAL
 COMMENT Unpublished (2004)
 Contact: Grimwood, Jane
 Stanford Human Genome Center
 Stanford University School of Medicine
 975 S California Avenue, Palo Alto, CA 94304, USA
 Tel: 650 320 5917
 Fax: 650 320 5801

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